

# CERTIFICATE OF ANALYSIS



Order #: 35809  
 Order Name: Funky Farms  
 Alaskan Ice 33 Mg  
 Batch#: 9201-AI-1000  
 Received: 09/05/2019  
 Completed: 09/11/2019

Arise Bioscience  
 4855 Technology Way, Suite 500  
 Boca Raton FL, 33431  
 (866) 407-1164



## Sample



0.052%  
D9-THC

3.264%  
Total CBD

33.0 mg  
Cannabinoids per  
container

30.8 mg  
CBD per  
container

1 container = 1 grams per container x  
Cannabinoid concentration

## Cannabinoids Test

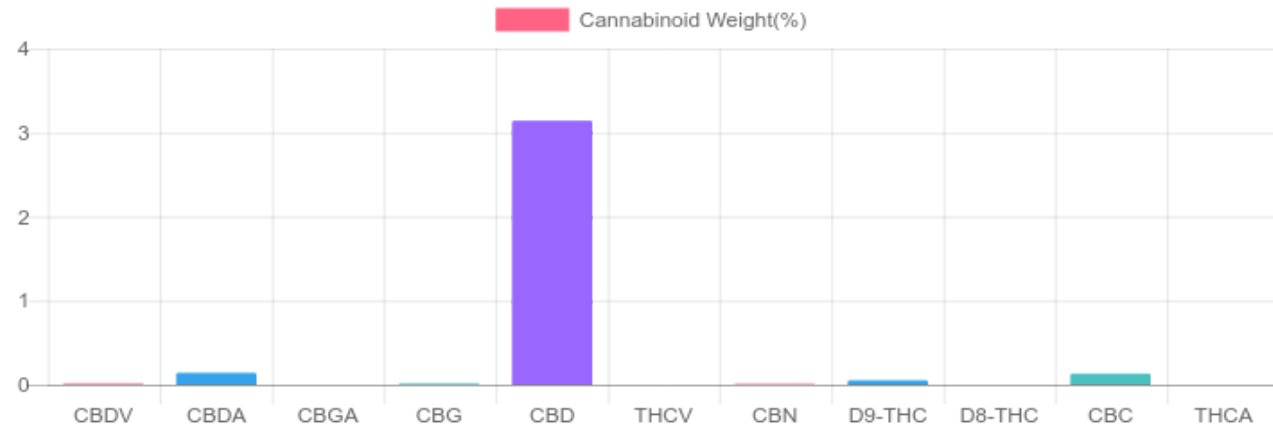
SHIMADZU INTEGRATED UPLC-PDA

GSL SOP 400

PREPARED: 09/05/2019 19:29:35

UPLOADED: 09/06/2019 15:21:41

| Cannabinoids       | LOQ    | weight(%) | mg/g   | mg/container |
|--------------------|--------|-----------|--------|--------------|
| D9-THC             | 10 PPM | 0.052%    | 0.516  | 0.5          |
| THCA               | 10 PPM | N/D       | N/D    | N/D          |
| CBD                | 10 PPM | 3.140%    | 31.403 | 29.7         |
| CBDA               | 20 PPM | 0.141%    | 1.413  | 1.3          |
| CBDV               | 20 PPM | 0.012%    | 0.124  | 0.1          |
| CBC                | 10 PPM | 0.132%    | 1.318  | 1.2          |
| CBN                | 10 PPM | 0.008%    | 0.077  | 0.1          |
| CBG                | 10 PPM | 0.013%    | 0.126  | 0.1          |
| CBGA               | 20 PPM | N/D       | N/D    | N/D          |
| D8-THC             | 10 PPM | N/D       | N/D    | N/D          |
| THCV               | 10 PPM | N/D       | N/D    | N/D          |
| TOTAL D9-THC       |        | 0.052%    | 0.516  | 0.5          |
| TOTAL CBD*         |        | 3.264%    | 32.642 | 30.8         |
| TOTAL CANNABINOIDS |        | 3.498%    | 34.977 | 33.0         |



Reporting Limit 10 ppm

\*Total CBD = CBD + CBDA x 0.877

N/D - Not Detected, B/LOQ - Below Limit of Quantification



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## PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 09/05/2019 20:34:49

UPLOADED: 09/09/2019 19:00:00

GCMS-MS - Shimadzu GCMS-TQ8040

| Pesticide    | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|--------------|--------------------|---------------|-----------|-----------|
| CAPTAN       | 0.700              | N/D           | 0.003     | 0.001     |
| CHLORDANE    | 0.100              | N/D           | 0.003     | 0.001     |
| CHLORFENAPYR | 0.100              | N/D           | 0.003     | 0.001     |
| COUMAPHOS    | 0.100              | N/D           | 0.003     | 0.001     |

| Pesticide               | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|-------------------------|--------------------|---------------|-----------|-----------|
| CYLFLUTHRIN             | 2.000              | N/D           | 0.003     | 0.001     |
| CYPERMETHRIN            | 1.000              | N/D           | 0.003     | 0.001     |
| PARATHION-METHYL        | 0.100              | N/D           | 0.003     | 0.001     |
| PENTACHLORONITROBENZENE | 0.100              | N/D           | 0.003     | 0.001     |

LCMS-MS - Shimadzu LCMS-8060

| Pesticide           | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|---------------------|--------------------|---------------|-----------|-----------|
| ABAMECTIN B1A       | 0.100              | N/D           | 0.005     | 0.001     |
| ACEPHATE            | 0.100              | N/D           | 0.001     | 0.001     |
| ACEQUINOCYL         | 0.100              | N/D           | 0.001     | 0.001     |
| ACETAMIPRID         | 0.100              | N/D           | 0.005     | 0.001     |
| ALDICARB            | 0.100              | N/D           | 0.005     | 0.001     |
| AZOXYSTROBIN        | 0.100              | N/D           | 0.001     | 0.001     |
| BIFENAZATE          | 0.100              | N/D           | 0.005     | 0.001     |
| BIFENTHRIN          | 3.000              | N/D           | 0.005     | 0.001     |
| BOSCALID            | 0.100              | B/LOD         | 0.005     | 0.001     |
| CARBARYL            | 0.500              | N/D           | 0.003     | 0.001     |
| CARBOFURAN          | 0.100              | N/D           | 0.001     | 0.001     |
| CHLORANTRANILIPROLE | 10.000             | N/D           | 0.005     | 0.005     |
| CHLORPYRIFOS        | 0.100              | N/D           | 0.001     | 0.001     |
| CLOFENTEZINE        | 0.100              | N/D           | 0.001     | 0.001     |
| DAMINOZIDE          | 0.100              | N/D           | 0.005     | 0.001     |
| DIAZANON            | 0.100              | N/D           | 0.001     | 0.001     |
| DICHLORVOS          | 0.100              | N/D           | 0.005     | 0.001     |
| DIMETHOATE          | 0.100              | N/D           | 0.001     | 0.001     |
| DIMETHOMORPH        | 2.000              | N/D           | 0.005     | 0.001     |
| ETHOPROPHOS         | 0.100              | 0.008         | 0.001     | 0.001     |
| ETOFENPROX          | 0.100              | N/D           | 0.001     | 0.001     |
| ETOXAZOLE           | 0.100              | N/D           | 0.010     | 0.005     |
| FENHEXAMID          | 0.100              | N/D           | 0.005     | 0.001     |
| FENOXYCARB          | 0.100              | N/D           | 0.005     | 0.001     |
| FENPYROXIMATE       | 0.100              | N/D           | 0.001     | 0.001     |
| FIPRONIL            | 0.100              | N/D           | 0.003     | 0.001     |
| FLONICAMID          | 0.100              | N/D           | 0.025     | 0.010     |
| FLUDIOXONIL         | 0.100              | N/D           | 0.003     | 0.001     |
| HEXYTHIAZOX         | 0.100              | N/D           | 0.005     | 0.001     |

| Pesticide                | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|--------------------------|--------------------|---------------|-----------|-----------|
| IMAZALIL                 | 0.100              | N/D           | 0.005     | 0.001     |
| IMIDACLOPRID             | 5.000              | N/D           | 0.005     | 0.001     |
| KRESOXIM-METHYL          | 0.100              | N/D           | 0.010     | 0.005     |
| MALATHION                | 0.500              | N/D           | 0.005     | 0.001     |
| METALAXYL                | 2.000              | N/D           | 0.001     | 0.001     |
| METHIOCARB               | 0.100              | N/D           | 0.005     | 0.001     |
| METHOMYL                 | 1.000              | N/D           | 0.001     | 0.001     |
| MEVINPHOS                | 0.100              | N/D           | 0.001     | 0.001     |
| MYCLOBUTANIL             | 0.100              | N/D           | 0.005     | 0.001     |
| NALED                    | 0.100              | N/D           | 0.005     | 0.001     |
| OXAMYL                   | 0.500              | N/D           | 0.001     | 0.001     |
| PACLOBUTRAZOL            | 0.100              | N/D           | 0.005     | 0.001     |
| PERMETHRINS              | 0.500              | N/D           | 0.005     | 0.001     |
| PHOSMET                  | 0.100              | N/D           | 0.005     | 0.001     |
| PIPERONYL BUTOXIDE       | 3.000              | N/D           | 0.001     | 0.001     |
| PRALLETHRIN              | 0.100              | N/D           | 0.005     | 0.005     |
| PROPICONAZOLE            | 0.100              | N/D           | 0.010     | 0.005     |
| PROPOXUR                 | 0.100              | N/D           | 0.001     | 0.001     |
| PYRETHRINS (PYRETHRIN I) | 0.500              | N/D           | 0.005     | 0.005     |
| PYRIDABEN                | 0.100              | N/D           | 0.005     | 0.001     |
| SPINETORAM               | 0.100              | N/D           | 0.001     | 0.001     |
| SPINOSAD                 | 0.100              | N/D           | 0.001     | 0.001     |
| SPIROMESIFEN             | 0.100              | N/D           | 0.005     | 0.001     |
| SPIROTETRAMAT            | 0.100              | N/D           | 0.001     | 0.001     |
| SPIROXAMINE              | 0.100              | N/D           | 0.001     | 0.001     |
| TEBUCONAZOLE             | 0.100              | N/D           | 0.005     | 0.001     |
| THIACLOPRID              | 0.100              | N/D           | 0.001     | 0.001     |
| THIAMETHOXAM             | 5.000              | N/D           | 0.001     | 0.001     |
| TRIFLOXYSTROBIN          | 0.100              | N/D           | 0.001     | 0.001     |

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level



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## RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Prepared: 09/06/2019 00:04:32

Uploaded: 09/06/2019 16:32:22

| Residual Solvent  | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|-------------------|--------------------|---------------|-----------|-----------|
| ACETONE           | 5,000              | B/LOQ         | 140       | 20        |
| ACETONITRILE      | 410                | N/D           | 25        | 1         |
| BENZENE           | 1                  | N/D           | 1         | 0.5       |
| BUTANE            | 5,000              | N/D           | 50        | 10        |
| CHLOROFORM        | 1                  | N/D           | 1         | 0.5       |
| DICHLOROETHANE    | 1                  | N/D           | 1         | 0.5       |
| DICHLOROMETHANE   | 1                  | N/D           | 1         | 0.5       |
| ETHANOL           | 5,000              | B/LOQ         | 140       | 20        |
| ETHYL ACETATE     | 5,000              | N/D           | 140       | 20        |
| ETHYL ETHER       | 5,000              | N/D           | 140       | 20        |
| ISOPROPYL ALCOHOL | 5,000              | B/LOQ         | 140       | 20        |
| METHANOL          | 3,000              | N/D           | 100       | 20        |
| N-HEPTANE         | 5,000              | N/D           | 140       | 20        |
| N-HEXANE          | 290                | N/D           | 18        | 10        |
| PENTANE           | 5,000              | N/D           | 140       | 20        |
| PROPANE           | 5,000              | N/D           | 20        | 1         |
| TOLUENE           | 890                | N/D           | 53        | 1         |
| TRICHLOROETHENE   | 1                  | N/D           | 0         | 0         |
| XYLENES           | 2,170              | N/D           | 130       | 20        |



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## Mycotoxin Analysis:

LC-MS - Shimadzu LCMS-8060  
GSL SOP 401

Uploaded: 09/09/2019 18:53:03

| Analyte      | Action Lvl (ppb) | Results (ppb) |
|--------------|------------------|---------------|
| AFLATOXIN B1 | 20               | N/D           |
| AFLATOXIN B2 | 20               | N/D           |
| AFLATOXIN G1 | 20               | N/D           |
| AFLATOXIN G2 | 20               | N/D           |
| OCHRATOXIN A | 20               | N/D           |

LOQ is 4ppb, LOD is 1ppb

## Microbial Analysis:

PCR - Agilent AriaMX

| Test                   | Test Method Used | Device Used | LOD               | Allowable Criteria | Actual Result   | Pass/Fail |
|------------------------|------------------|-------------|-------------------|--------------------|-----------------|-----------|
| STEC E.COLI*           | USP 61/62†       | ARIAMX PCR  | 2 COPIES OF DNA   | PRESENCE / ABSENT  | BELOW LOD       | PASS      |
| SALMONELLA*            | USP 61/62†       | ARIAMX PCR  | 5 COPIES OF DNA   | PRESENCE / ABSENT  | BELOW LOD       | PASS      |
| ASPERGILLUS            | USP 61/62†       | ARIAMX PCR  | ASP_LOD***        | PRESENCE / ABSENT  | BELOW LOD       | PASS      |
| YEAST AND MOLD         | USP 61/62†       | ARIAMX PCR  | 363.05518 CFU/G** | 1,000              | BELOW THRESHOLD | PASS      |
| TOTAL AEROBIC BACTERIA | USP 61/62†       | ARIAMX PCR  | 0.25316 CFU/G**   | 10,000             | BELOW THRESHOLD | PASS      |
| COLIFORM               | USP 61/62†       | ARIAMX PCR  | 3.41539 CFU/G**   | 100                | BELOW THRESHOLD | PASS      |
| ENTEROBACTERIACEAE     | USP 61/62†       | ARIAMX PCR  | 0.32951 CFU/G**   | 100                | BELOW THRESHOLD | PASS      |

† USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)

\* STEC and Salmonella run as Multiplex

\*\* CFU/g Calculation based on Select Category Type Gummy MIP/Extract Flower matrix

\*\*\* Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA

## Filth and Foreign Materials Analysis:

Microscope - Amscope Simul-Focal Trinocular Stereo Zoom Microscope - GSL SOP 409

Uploaded: 09/06/2019 00:29:15

Pass: No Foreign Materials Detected



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