



Utah Department of Agriculture and Food
Division of Laboratory Services
 4451 South 2700 West
 Taylorsville, Utah 84129
 (801) 816-3840

CERTIFICATE OF ANALYSIS

Sample Information

| | | | |
|--------------------------|----------------|-----------------------|----------------------------|
| UDAF Lab # | HP24093-7 | Issue Date: | 04/08/2024 |
| Client: | Gold Naturals | Client Email: | jake@goldnaturals hemp.com |
| Producer: | Gold Naturals | Sample Type: | Gelatinous Cubes |
| Description: | Stress Gummy's | | |
| Batch/Lot Number: | Gustw2308 | Date Received: | 04/02/2024 |
| Date Collected: | | Collected By: | Self-Submitted |




Notes:

Testing Summary

Status: PASS

| Analysis: | Testing Date: | Status: | Notes: |
|--------------|---------------|---------|--------|
| Cannabinoids | 04/08/2024 | PASS | |
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Approved By:  Date: 04/08/2024
 Brandon Forsyth, Ph.D
 State Chemist

The results reported herein pertain only to the indicated sample and may not be used as an endorsement of a product. The results are given under applicable provisions of the Utah Code and represent a true statement of the outcomes of the analyses conducted on the sample received by the laboratory. This report may not be reproduced, except in its entirety. © 2024 All Rights Reserved.



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CERTIFICATE OF ANALYSIS

Cannabinoid Analysis

Status: PASS

| | | | |
|----------------------|------------|---------------------|----------------|
| Sample ID: | HP24093-7 | Description: | Stress Gummy's |
| Testing Date: | 04/08/2024 | Reviewed By: | Cameron Cheyne |

Method: ACL.AM.003 Analysis performed using High-Performance Liquid Chromatography (HPLC-DAD)

| Analyte | Abbreviation | CAS Number | % (w/w) | mg/g |
|----------------------------------------|------------------|-------------------------|---------|-------|
| Δ9-Tetrahydrocannabinidiol | Δ9-THC | 1972-08-03 | <LOQ | <LOQ |
| Δ8-Tetrahydrocannabinidiol | Δ8-THC | 5957-75-5 | ND | ND |
| Δ9-Tetrahydrocannabinolic acid | THCA | 23978-85-0 | ND | ND |
| Δ9-Tetrahydrocannabivarin | THCV | 31262-37-0 | ND | ND |
| Cannabidiol | CBD | 13956-29-1 | 1.09% | 10.9 |
| Cannabidiolic acid | CBDA | 1244-58-2 | ND | ND |
| Cannabidivarin | CBDV | 24274-48-4 | ND | ND |
| Cannabinol | CBN | 521-35-7 | ND | ND |
| Cannabigerol | CBG | 25654-31-3 | ND | ND |
| Cannabichromene | CBC | 20675-51-8 | <LOQ | <LOQ |
| Cannabigerolic acid | CBGA | 25555-57-1 | ND | ND |
| Cannabichromenic acid | CBCA | 20408-52-0 | ND | ND |
| Cannabicitran | CBTC | 31508-71-1 | ND | ND |
| 9(R+S)-Δ6a,10a-Tetrahydrocannabinidiol | Δ3-THC | 95720-01-07, 95720-02-8 | ND | ND |
| (6aR,9R)-Δ10-Tetrahydrocannabinidiol | (6aR,9R)-Δ10-THC | 95543-62-7 | ND | ND |
| (6aR,9S)-Δ10-Tetrahydrocannabinidiol | (6aR,9S)-Δ10-THC | 95588-87-7 | ND | ND |
| Total Cannabinoids | | | 1.09% | 10.90 |
| Total THC | | | ND | ND |
| Total CBD | | | 1.09% | 10.90 |
| Total THC Analogs | | | ND | ND |

Unknown Cannabinoid Peak Area: 0.0%

Mass Per Piece: 6.057 g

Status: PASS

Notes:

Total Cannabinoids is calculated as the direct sum of each of the cannabinoid values.
 Total THC is calculated as Δ9-THC + (THCA x 0.877) | Total CBD is calculated as CBD + (CBDA x 0.877).
 Total THC Analogs is calculated as Δ9-THC + (THCA x 0.877) + Δ8-THC + CBTC.
 ND = Not Detected, NQ = Not Quantifiable, NT = Not Tested, <LOQ = Below the limit of quantification

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Comprehensive Analysis Report

Sample Overview

Client: Gold Naturals

None

Sample Name: Stress

Date Received: 04/03/2024

Sample Matrix: Gelatinous Cube

APRC #: GOL240404B

Sample Lot: GUSTW08022

| Assay | Disposition | Date Tested |
|------------------------------------------------------|-------------|-------------|
| Heavy Metals - Utah State Cannabis Panel | Tested | 04-08-2024 |
| Microbial: Quantitative and Pathogen Detection Combo | Tested | 04-05-2024 |
| Pesticide Screen (APRC Panel) | Tested | 04/04/2024 |
| Hemp or R&D Residual Solvents | Tested | 04-04-2024 |
| Mycotoxin Quantitation | Tested | 04/04/2024 |



Accreditation #115229

Aromatic Plant Research Center is an ISO 17025:2017 certified laboratory.

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Instrument Analysis Report

Heavy Metals

Method: CTLA

Sample Name: Stress

APRC Lot Number: GOL240404B

| Analyte | Result (ppm) | LOD (ppm) | Threshold (ppm) | Pass/Fail |
|---------|--------------|-----------|-----------------|-----------|
| Arsenic | <0.001 | 0.001 | 2.00 | Pass |
| Cadmium | <0.001 | 0.001 | 0.82 | Pass |
| Lead | 0.133 | 0.001 | 1.20 | Pass |
| Mercury | <0.001 | 0.001 | 0.40 | Pass |

Heavy metal analysis is completed in partnership with Contract Testing Laboratories of America, Orem UT.

Performed by: CTLA

Reviewed by: Sophie Pearson



Instrument Analysis Report

Microbial Impurities

Method: SOP 1-2034.01 and 1-2035.01

Sample Name: Stress

APRC Lot Number: GOL240404B

| Total Counts | | | |
|------------------------|-----------------|----------------|--------------|
| Microbial Group: | Result (CFU/g): | Specification: | Disposition: |
| Total Aerobic Bacteria | 10 | ≤10,000 | Pass |
| Total Yeast and Mold | <10 | ≤1,000 | Pass |

| Specific Organism Identification | | | |
|----------------------------------|--------------|----------------|--------------|
| Microbial Organism: | Result: | Specification: | Disposition: |
| Aspergillus flavus | NT | NT | Not Tested |
| Aspergillus fumigatus | NT | NT | Not Tested |
| Aspergillus niger | NT | NT | Not Tested |
| Aspergillus terreus | NT | NT | Not Tested |
| E. coli | Not Detected | Not Detected | Pass |
| STEC | NT | NT | Not Tested |
| Salmonella - Specific Gene | Not Detected | Not Detected | Pass |
| Staphylococcus aureus | Not Detected | Not Detected | Pass |
| Pseudomonas aeruginosa | Not Detected | Report Only | Tested |

Performed by: Jordan Morley

Notes: Foreign Matter: Not Detected.

Reviewed by: Tessa Crook

Instrument Analysis Report

Pesticides

Method:

Sample Name: Stress

APRC Lot Number: GOL240404B

| Pesticide: | Finding | Action Limit (µg/g) | Pass/Fail |
|---------------------|---------|---------------------|-----------|
| Abamectin | ND | 0.5 | Pass |
| Acephate | ND | 0.4 | Pass |
| Acequinocyl | ND | 2.0 | Pass |
| Acetamiprid | ND | 0.2 | Pass |
| Aldicarb | ND | 0.4 | Pass |
| Azoxystrobin | ND | 0.2 | Pass |
| Bifenazate | ND | 0.2 | Pass |
| Bifenthrin | ND | 0.2 | Pass |
| Boscalid | ND | 0.4 | Pass |
| Carbaryl | ND | 0.2 | Pass |
| Carbofuran | ND | 0.2 | Pass |
| Chlorantraniliprole | ND | 0.2 | Pass |
| Chlorfenapyr | ND | 1.0 | Pass |
| Chlorpyrifos | ND | 0.2 | Pass |
| Clofentezine | ND | 0.2 | Pass |
| Cyfluthrin | ND | 1.0 | Pass |
| Cypermethrin | ND | 1.0 | Pass |
| Daminozide | ND | 1.0 | Pass |
| Dichlorvos | ND | 0.1 | Pass |
| Diazinon | ND | 0.2 | Pass |
| Dimethoate | ND | 0.2 | Pass |
| Ethoprophos | ND | 0.2 | Pass |
| Etofenprox | ND | 0.4 | Pass |
| Etoxazole | ND | 0.2 | Pass |
| Fenoxycarb | ND | 0.2 | Pass |
| Fenpyroximate | ND | 0.4 | Pass |
| Fipronil | ND | 0.4 | Pass |
| Fonicamid | ND | 1.0 | Pass |
| Fludioxonil | ND | 0.4 | Pass |

| Pesticide: | Finding | Action Limit (µg/g) | Pass/Fail |
|-------------------|---------|---------------------|-----------|
| Hexythiazon | ND | 1.0 | Pass |
| Imazal | ND | 0.2 | Pass |
| Imidacloprid | ND | 0.4 | Pass |
| Kresoxim-methyl | ND | 0.4 | Pass |
| Malathion A | ND | 0.2 | Pass |
| Metalaxyl | ND | 0.2 | Pass |
| Methiocarb | ND | 0.2 | Pass |
| Methomyl | ND | 0.4 | Pass |
| Methylparathion | ND | 0.2 | Pass |
| MGK-264 | ND | 0.2 | Pass |
| Myclobutanil | ND | 0.2 | Pass |
| Naled | ND | 0.5 | Pass |
| Oxamyl | ND | 1.0 | Pass |
| Paclobutrazol | ND | 0.4 | Pass |
| Permethrins | ND | 0.2 | Pass |
| Phosmet | ND | 0.2 | Pass |
| Piperonylbutoxide | ND | 2.0 | Pass |
| Prallethrin | ND | 0.2 | Pass |
| Propiconazole | ND | 0.4 | Pass |
| Propoxur | ND | 0.2 | Pass |
| Pyrethrin | ND | 1.0 | Pass |
| Pyridaben | ND | 0.2 | Pass |
| Spinosad | ND | 0.2 | Pass |
| Spinetoram | ND | 0.1 | Pass |
| Spirotetramat | ND | 0.2 | Pass |
| Spiroxamine | ND | 0.4 | Pass |
| Tebuconazole | ND | 0.4 | Pass |
| Thiacloprid | ND | 0.2 | Pass |
| Thiamethoxam | ND | 0.2 | Pass |
| Trifloxystrobin | ND | 0.2 | Pass |

Performed by: Nicholas Saichek Reviewed by: William Deutschman

Pesticide testing performed in a non-ISO 17025:2017 accredited facility. Pass/Fail determinations based on Utah Administrative Rule R68-29.

Instrument Analysis Report

Residual Solvents

Method: SOP 1-2027.03

Sample Name: Stress

APRC Lot Number: GOL240404B

| Residual Solvent | Finding (µg/g) | Action Level (µg/g) | Pass/Fail |
|-----------------------|----------------|---------------------|-----------|
| Dimethyl sulfoxide | ND | 5000 | Pass |
| N,N-dimethylacetamide | ND | 1090 | Pass |
| 1,2 Dimethoxyethane | ND | 100 | Pass |
| 1,4 Dioxane | ND | 380 | Pass |
| 1-Butanol | ND | 5000 | Pass |
| 1-Pentanol | ND | 5000 | Pass |
| 1-Propanol | ND | 5000 | Pass |
| 2-Butanone | ND | 5000 | Pass |
| 2-Butanol | ND | 5000 | Pass |
| 2-Ethoxyethanol | ND | 160 | Pass |
| 2-Methylbutane | ND | 5000 | Pass |
| 2-Propanol | ND | 5000 | Pass |
| Acetone | ND | 5000 | Pass |
| Acetonitrile | ND | 410 | Pass |
| Benzene | ND | 2 | Pass |
| Butane | ND | 5000 | Pass |
| Cumene | ND | 70 | Pass |
| Cyclohexane | ND | 3880 | Pass |
| Dichloromethane | ND | 600 | Pass |
| 2,2-Dimethylbutane | ND | 290 | Pass |
| 2,3-Dimethylbutane | ND | 290 | Pass |
| m,p-Xylene | ND | See Total Xylenes | Pass |
| o-Xylene | ND | See Total Xylenes | Pass |
| Ethanol | ND | 5000 | Pass |
| Ethyl Acetate | ND | 5000 | Pass |
| Ethyl Benzene | ND | See Total Xylenes | Pass |
| Ethyl Ether | ND | 5000 | Pass |
| Ethylene Glycol | ND | 620 | Pass |
| Ethylene Oxide | ND | 50 | Pass |

| Residual Solvent | Finding (µg/g) | Action Level (µg/g) | Pass/Fail |
|-----------------------|----------------|---------------------|-----------|
| Heptane | ND | 5000 | Pass |
| Hexane | ND | 290 | Pass |
| Isopropyl Acetate | ND | 5000 | Pass |
| Methanol | 5.256 | 3000 | Pass |
| Methylpropane | ND | 5000 | Pass |
| 2-Methylpentane | ND | 290 | Pass |
| 3-Methylpentane | ND | 290 | Pass |
| N,N-Dimethylformamide | ND | 880 | Pass |
| Pentane | ND | 5000 | Pass |
| Propane | ND | 5000 | Pass |
| Pyridine | ND | 100 | Pass |
| Sulfolane | ND | 160 | Pass |
| Tetrahydrofuran | ND | 720 | Pass |
| Toluene | ND | 890 | Pass |
| Total Xylenes | ND | 2170 | Pass |

† Per Utah state code 4-41a-701(3) Section R68-29-6

‡ Total Xylenes is a combination of the following: o-Xylene, m-Xylene, p-Xylene, and Ethylbenzene

Overall Disposition: Pass
 Performed By: Anil Rokaya
 Reviewed By: Tessa Crook

Instrument Analysis Report

Mycotoxins

Method: Mycotoxin

Sample Name: Stress

APRC Lot Number: GOL240404B

| Mycotoxin | Finding (µg/kg) | Limit(µg/kg) | Pass/Fail |
|-------------------|-----------------|--------------|-----------|
| Aflatoxin B1: | ND | | |
| Aflatoxin B2: | ND | | |
| Aflatoxin G1: | ND | | |
| Aflatoxin G2: | ND | | |
| Total Aflatoxins: | 0 | 20 | Pass |
| Ochratoxin A: | ND | 20 | Pass |

Performed by: Nicholas Saichek

Reviewed by: William Deutschman



Approved By:
Jordan Morley
Laboratory Supervisor
04/10/2024