



Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 02/21/2021

SAMPLE NAME: SUVER HAZE

Flower, Inhalable

CULTIVATOR / MANUFACTURER

Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR

Business Name : Bardo
License Number:
Address: 2466 Pennsylvania Ave
Sayre PA 18840



SAMPLE DETAIL

Batch Number: SUVERHAZE_2020_TF
Sample ID: 210217Y017

Date Collected: 02/17/2021
Date Received: 02/17/2021

Batch Size:
Sample Size: 1.0 grams
Unit Mass:
Serving Size: 10 grams per Serving



Scan QR code to verify
authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: **0.573%**

Total CBD: **14.957%**

Sum of Cannabinoids: **18.706%**

Total Cannabinoids: **16.578%**

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:
Total THC = ΔTHC + (THCa * 0.877)
Total CBD = CBD + (CBDa * 0.877)
Sum of Cannabinoids = ΔTHC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBG + CBDV + CBDVa + Δ8THC + CBL + CBN
Total Cannabinoids = (ΔTHC + 0.877*THCa) + (CBD + 0.877*CBDa) + (CBG + 0.877*CBGa) + (THCV + 0.877*THCVa) + (CBDV + 0.877*CBDVa) + (CBL + 0.877*CBLa) + Δ8THC + CBL + CBN

Moisture: NT

Density: NT

Viscosity: NT

SAFETY ANALYSIS - SUMMARY

Pesticides: **PASS**

Mycotoxins: NT

Residual Solvents: NT

Heavy Metals: **PASS**

Microbial Impurities (PCR): **PASS**

Microbial Impurities (Plating): NT

Foreign Material: NT

Water Activity: NT

Vitamin E Acetate: NT

For quality assurance purposes. Not a Pre-Harvest Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 16 Effect Date January 16, 2019. Authority: Section 26013, Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.
Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.
References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

LOC verified by: Michael Pham
Date: 02/21/2021

Approved by: Josh Wurzer, President
Date: 02/21/2021

 **Cannabinoid Analysis**

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 0.573%

Total THC ($\Delta 9$ THC+0.877*THCa)

TOTAL CBD: 14.957%

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 16.578%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBC) + (Total THCV) + (Total CBC) + (Total CBDV) + $\Delta 8$ THC + CBL + CBN

TOTAL CBG: 0.26%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.68%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.108%

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 02/18/2021

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|----------------------------|----------------|--------------------------------|--------------------|----------------|
| CBDa | 0.06 / 0.22 | ±6.595 | 156.29 | 15.629 |
| CBD | 0.1 / 0.3 | ±0.68 | 12.5 | 1.25 |
| CBCa | 0.1 / 0.4 | ±0.61 | 7.0 | 0.70 |
| THCa | 0.04 / 0.24 | ±0.204 | 4.94 | 0.494 |
| CBGa | 0.1 / 0.4 | ±0.21 | 3.0 | 0.30 |
| $\Delta 9$ THC | 0.1 / 0.4 | ±0.05 | 1.4 | 0.14 |
| CBDVa | 0.02 / 0.22 | ±0.014 | 1.23 | 0.123 |
| CBC | 0.1 / 0.2 | ±0.03 | 0.7 | 0.07 |
| CBG | 0.2 / 0.5 | N/A | <LOQ | <LOQ |
| $\Delta 8$ THC | 0.05 / 0.50 | N/A | ND | ND |
| THCV | 0.07 / 0.21 | N/A | ND | ND |
| THCVa | 0.05 / 0.17 | N/A | ND | ND |
| CBDV | 0.1 / 0.3 | N/A | ND | ND |
| CBL | 0.1 / 0.4 | N/A | ND | ND |
| CBN | 0.07 / 0.20 | N/A | ND | ND |
| SUM OF CANNABINOIDS | | | 187.06 mg/g | 18.706% |

Serving Size: 10 grams per Serving

| | |
|---------------------------------|--------------------|
| $\Delta 9$ THC per Serving | 14.0 mg/serving |
| Total THC per Serving | 57.30 mg/serving |
| CBD per Serving | 125.0 mg/serving |
| Total CBD per Serving | 1495.70 mg/serving |
| Sum of Cannabinoids per Serving | 1870.60 mg/serving |
| Total Cannabinoids per Serving | 1657.80 mg/serving |

MOISTURE TEST RESULT

Not Tested

DENSITY TEST RESULT

Not Tested

VISCOSITY TEST RESULT

Not Tested



 **Pesticide Analysis**

CATEGORY 1 AND 2 PESTICIDES

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS). *GC-MS utilized where indicated.

Method: QSP 1212 - Analysis of Pesticides and Microstains by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

CATEGORY 1 PESTICIDE TEST RESULTS - 02/21/2021  **PASS**

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---------------------|--------------------|---------------------|--------------------------------|---------------|-------------|
| Aldicarb | | | | NT | |
| Carbofuran | | | | NT | |
| Chlordane* | | | | NT | |
| Chlorfenvinpyr* | | | | NT | |
| Chlorpyrifos | 0.02 / 0.06 | ≥ LOD | N/A | ND | PASS |
| Coumaphos | | | | NT | |
| Daminozide | | | | NT | |
| DDVP (Dichlorvos) | | | | NT | |
| Dimethoate | | | | NT | |
| Ethoprop(hos) | | | | NT | |
| Etofenprox | | | | NT | |
| Fenoxycarb | | | | NT | |
| Fipronil | | | | NT | |
| Imazalil | | | | NT | |
| Methiocarb | | | | NT | |
| Methyl parathion | | | | NT | |
| Mevinphos | | | | NT | |
| Paclobutrazol | | | | NT | |
| Propoxur | | | | NT | |
| Spiroxamine | | | | NT | |
| Thiacloprid | | | | NT | |

CATEGORY 2 PESTICIDE TEST RESULTS - 02/21/2021  **PASS**

| | | | | | |
|---------------------|--------------------|------------|------------|-----------|-------------|
| Abamectin | 0.03 / 0.10 | 0.1 | N/A | ND | PASS |
| Acephate | | | | NT | |
| Acequinocyl | | | | NT | |
| Acetamiprid | | | | NT | |
| Azoxystrobin | 0.01 / 0.04 | 0.1 | N/A | ND | PASS |
| Bifentazate | 0.01 / 0.02 | 0.1 | N/A | ND | PASS |
| Bifenthrin | 0.01 / 0.02 | 3 | N/A | ND | PASS |
| Boscalid | 0.02 / 0.06 | 0.1 | N/A | ND | PASS |
| Captan | | | | NT | |
| Carbaryl | | | | NT | |
| Chlorantraniliprole | | | | NT | |

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Pesticide Analysis *Continued*

CATEGORY 1 AND 2 PESTICIDES

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS). *GC-MS utilized where indicated.

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

CATEGORY 2 PESTICIDE TEST RESULTS - 02/21/2021 *continued*  **PASS**

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------|----------------|---------------------|--------------------------------|---------------|-------------|
| Clofentezine | | | | | NT |
| Cyfluthrin | | | | | NT |
| Cypermethrin | 0.1 / 0.3 | 1 | N/A | ND | PASS |
| Diazinon | | | | | NT |
| Dimethomorph | | | | | NT |
| Etoxazole | 0.010 / 0.028 | 0.1 | N/A | ND | PASS |
| Fenhexamid | | | | | NT |
| Fenpyroximate | | | | | NT |
| Flonicamid | | | | | NT |
| Fludioxonil | | | | | NT |
| Hexythiazox | 0.01 / 0.04 | 0.1 | N/A | ND | PASS |
| Imidacloprid | 0.01 / 0.04 | 5 | N/A | ND | PASS |
| Kresoxim-methyl | | | | | NT |
| Malathion | 0.02 / 0.05 | 0.5 | N/A | ND | PASS |
| Metalaxyl | | | | | NT |
| Methomyl | | | | | NT |
| Myclobutanil | 0.03 / 0.1 | 0.1 | N/A | ND | PASS |
| Naled | | | | | NT |
| Osamyl | | | | | NT |
| Pentachloronitrobenzene* | | | | | NT |
| Permethrin | 0.03 / 0.09 | 0.5 | N/A | ND | PASS |
| Phosmet | | | | | NT |
| Piperonylbutoxide | 0.003 / 0.009 | 3 | N/A | ND | PASS |
| Prallethrin | | | | | NT |
| Propiconazole | 0.01 / 0.03 | 0.1 | N/A | ND | PASS |
| Pyrethrin | | | | | NT |
| Pyridaben | | | | | NT |
| Spinetoram | | | | | NT |
| Spinosad | | | | | NT |
| Spiromesifen | 0.02 / 0.05 | 0.1 | N/A | ND | PASS |
| Spirotetramat | | | | | NT |
| Tebuconazole | 0.02 / 0.07 | 0.1 | N/A | ND | PASS |
| Thiamethoxam | | | | | NT |
| Trifloxystrobin | 0.01 / 0.03 | 0.1 | N/A | ND | PASS |



Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: GSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - 02/18/2021 ✔ PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|----------|----------------|---------------------|--------------------------------|---------------|--------|
| Cadmium | 0.02 / 0.05 | 0.2 | ±0.006 | 0.06 | PASS |
| Lead | 0.04 / 0.1 | 0.5 | N/A | <LOQ | PASS |
| Arsenic | 0.02 / 0.1 | 0.2 | N/A | <LOQ | PASS |
| Mercury | 0.002 / 0.01 | 0.1 | N/A | <LOQ | PASS |

Microbial Impurities Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbial impurities.

Method: GSP 1221 - Analysis of Microbial Impurities

MICROBIAL IMPURITIES TEST RESULTS (PCR) - 02/20/2021 ✔ PASS

| COMPOUND | ACTION LIMIT | RESULT | RESULT |
|---|--------------|--------|--------|
| Shiga toxin-producing <i>Escherichia coli</i> | Detect | ND | PASS |
| <i>Salmonella</i> spp. | Detect | ND | PASS |
| <i>Aspergillus fumigatus</i> | Detect | ND | PASS |
| <i>Aspergillus flavus</i> | Detect | ND | PASS |
| <i>Aspergillus niger</i> | Detect | ND | PASS |
| <i>Aspergillus terreus</i> | Detect | ND | PASS |

Analysis conducted by 3M[™] Petrifilm[™] and plate counts of microbial impurities.

Method: GSP 6794 - Plating with 3M[™] Petrifilm[™]

MICROBIAL IMPURITIES TEST RESULTS (PLATING)

| COMPOUND | RESULT (cfu/g) |
|----------------------|----------------|
| Aerobic Plate Count | NT |
| Total Yeast and Mold | NT |

