Green Leaf Lab
251 Lathrop Way Suites D&E Sacramento, CA 95815
916-924-5227 / www.greenleaflabs.com
License#: C8-0000078-LIC

# Quality Control Testing Official Report

**Distributor**
Grateful Co
280 Aldergrove Rd. Suite B, Arcata CA 95521

**Cultivator/Manufacturer**
Grateful Company R&D

## Strawberry Cough THCA Live Resin

**Test RFID:**
**Source RFID:** na
**Lab Sample ID:** S4K0123-09
**Source Batch ID:** na
**Matrix:** Inhalable Hemp Products
**Batch Size:** na
**Sample Size:** 1 unit
**Date Sampled:** 11/14/24
**Date Received:** 11/14/24
**Harvest/Processing Date:** na
**Product Density:** na

## Results at a Glance

**Overall Batch :** PASS

**Cannabinoids :** PASS

**Pesticides :** PASS

**Residual Solvent Analysis :** PASS

**Microbials :** PASS

**Metals :** PASS

**Foreign Material :** PASS

**Mycotoxins :** PASS

Taylor Pearce
CA Lab Director - 11/19/2024



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**Product Density:** na

## Potency Analysis by HPLC

**Date/Time Extracted:** 11/15/24 09:22
**Analysis Method/SOP:** C-001
**Date/Time Analyzed:** 11/18/24 10:55

| Cannabinoids | LOD mg/g | LOQ mg/g | % | mg/g |
|---|---|---|---|---|
| Total CBD | 1.03 | 1.07 | ND | ND |
| THCA | 1.03 | 1.07 | 86.0 | 860 |
| delta 9-THC | 1.03 | 1.07 | ND | ND |
| THCV | 1.03 | 1.07 | ND | ND |
| THCVA | 1.03 | 1.07 | ND | ND |
| CBD | 1.03 | 1.07 | ND | ND |
| CBDA | 1.03 | 1.07 | ND | ND |
| CBDV | 1.03 | 1.07 | ND | ND |
| CBDVA | 1.03 | 1.07 | ND | ND |
| CBN | 1.03 | 1.07 | ND | ND |
| CBG | 1.03 | 1.07 | ND | ND |
| CBGA | 1.03 | 1.07 | ND | ND |
| CBC | 1.03 | 1.07 | ND | ND |
| Total Cannabinoids | 1.03 | 1.07 | 75.4 | 754 |
| Sum of Cannabinoids | 1.03 | 1.07 | 86.0 | 860 |

Total THC = delta 9-THC + (THCA * 0.877)
Total CBD = CBD + (CBDA * 0.877)

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**Sample Size:** 1 unit
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**Date Received:** 11/14/24
**Harvest/Processing Date:** na
**Product Density:** na

## Pesticide Analysis by GCMS/LCMS

**Date/Time Extracted:** 11/15/24 09:04
**Analysis Method/SOP:** RP-001
**Date/Time GC Analyzed:** 11/16/24 17:05
**Date/Time LC Analyzed:** 11/16/24 05:43

| Analyte | Result | Action Level | LOD | LOQ | Units | Analyte | Result | Action Level | LOD | LOQ | Units |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Abamectin | ND | 0.1 | 0.060 | 0.080 | ug/g | Acephate | ND | 0.1 | 0.060 | 0.080 | ug/g |
| Acequinocyl | ND | 0.1 | 0.060 | 0.080 | ug/g | Acetamiprid | ND | 0.1 | 0.060 | 0.080 | ug/g |
| Aldicarb | ND | 0.05 | 0.060 | 0.080 | ug/g | Azoxystrobin | ND | 0.1 | 0.060 | 0.080 | ug/g |
| Bifenazate | ND | 0.1 | 0.060 | 0.080 | ug/g | Bifenthrin | ND | 3 | 0.060 | 0.080 | ug/g |
| Boscalid | ND | 0.1 | 0.060 | 0.080 | ug/g | Captan | ND | 0.7 | 0.500 | 0.500 | ug/g |
| Carbaryl | ND | 0.5 | 0.060 | 0.080 | ug/g | Carbofuran | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Chlorantraniliprole | ND | 10 | 0.060 | 0.080 | ug/g | Chlordane | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Chlorfenapyr | ND | 0.05 | 0.060 | 0.080 | ug/g | Chlorpyrifos | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Clofentezine | ND | 0.1 | 0.060 | 0.080 | ug/g | Coumaphos | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Cyfluthrin | ND | 2 | 0.250 | 0.700 | ug/g | Cypermethrin | ND | 1 | 0.250 | 0.500 | ug/g |
| Daminozide | ND | 0.05 | 0.060 | 0.080 | ug/g | DDVP (Dichlorvos) | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Diazinon | ND | 0.1 | 0.060 | 0.080 | ug/g | Dimethoate | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Dimethomorph | ND | 2 | 0.060 | 0.080 | ug/g | Ethoprophos | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Etofenprox | ND | 0.05 | 0.060 | 0.080 | ug/g | Etoxazole | ND | 0.1 | 0.060 | 0.080 | ug/g |
| Fenhexamid | ND | 0.1 | 0.060 | 0.080 | ug/g | Fenoxycarb | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Fenpyroximate | ND | 0.1 | 0.060 | 0.080 | ug/g | Fipronil | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Flonicamid | ND | 0.1 | 0.060 | 0.080 | ug/g | Fludioxonil | ND | 0.1 | 0.060 | 0.080 | ug/g |
| Hexythiazox | ND | 0.1 | 0.060 | 0.080 | ug/g | Imazalil | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Imidacloprid | ND | 5 | 0.060 | 0.080 | ug/g | Kresoxim-methyl | ND | 0.1 | 0.060 | 0.080 | ug/g |
| Malathion | ND | 0.5 | 0.060 | 0.080 | ug/g | Metalaxyl | ND | 2 | 0.060 | 0.080 | ug/g |
| Methiocarb | ND | 0.05 | 0.060 | 0.080 | ug/g | Methomyl | ND | 1 | 0.060 | 0.080 | ug/g |
| Methyl parathion | ND | 0.05 | 0.060 | 0.080 | ug/g | Mevinphos | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Myclobutanil | ND | 0.1 | 0.060 | 0.080 | ug/g | Naled | ND | 0.1 | 0.060 | 0.080 | ug/g |
| Oxamyl | ND | 0.5 | 0.060 | 0.080 | ug/g | Paclobutrazol | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Pentachloronitrobenzene | ND | 0.1 | 0.060 | 0.080 | ug/g | Permethrins | ND | 0.5 | 0.060 | 0.080 | ug/g |
| Phosmet | ND | 0.1 | 0.060 | 0.080 | ug/g | Piperonyl butoxide | ND | 3 | 0.060 | 0.080 | ug/g |
| Prallethrin | ND | 0.1 | 0.060 | 0.080 | ug/g | Propiconazole | ND | 0.1 | 0.060 | 0.080 | ug/g |
| Propoxur | ND | 0.05 | 0.060 | 0.080 | ug/g | Pyrethrins | ND | 0.5 | 0.060 | 0.080 | ug/g |
| Pyridaben | ND | 0.1 | 0.060 | 0.080 | ug/g | Spinetoram | ND | 0.1 | 0.060 | 0.080 | ug/g |
| Spinosad | ND | 0.1 | 0.060 | 0.080 | ug/g | Spiromesifen | ND | 0.1 | 0.060 | 0.080 | ug/g |
| Spirotetramat | ND | 0.1 | 0.060 | 0.080 | ug/g | Spiroxamine | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Tebuconazole | ND | 0.1 | 0.060 | 0.080 | ug/g | Thiacloprid | ND | 0.05 | 0.060 | 0.080 | ug/g |
| Thiamethoxam | ND | 5 | 0.500 | 1.00 | ug/g | Trifloxystrobin | ND | 0.1 | 0.060 | 0.080 | ug/g |

ND - Compound not detected
<LOQ - Results below the Limit of Quantitation
Results above the Action Level fail state testing requirements and will be highlighted Red.

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CA Lab Director - 11/19/2024



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**Source Batch ID:** na
**Matrix:** Inhalable Hemp Products
**Batch Size:** na
**Sample Size:** 1 unit
**Date Sampled:** 11/14/24
**Date Received:** 11/14/24
**Harvest/Processing Date:** na
**Product Density:** na

## Residual Solvent Analysis by GCMS-HS

**Date/Time Extracted: 11/15/24 08:50**
**Analysis Method/SOP: RS-001**
**Date/Time Analyzed: 11/15/24 17:57**

| Analyte | Result | Action Level | LOD | LOQ | Units |
|---|---|---|---|---|---|
| 1,2-Dichloroethane | ND | 1 | 0.10 | 0.79 | ug/g |
| Acetone | <LOQ | 5000 | 0.10 | 983.1 | ug/g |
| Acetonitrile | ND | 410 | 0.10 | 49.15 | ug/g |
| Benzene | ND | 1 | 0.10 | 0.79 | ug/g |
| Butane | <LOQ | 5000 | 0.10 | 983.1 | ug/g |
| Chloroform | ND | 1 | 0.10 | 0.79 | ug/g |
| Ethanol | ND | 5000 | 0.10 | 983.1 | ug/g |
| Ethyl acetate | ND | 5000 | 0.10 | 983.1 | ug/g |
| Ethyl ether | ND | 5000 | 0.10 | 983.1 | ug/g |
| Ethylene oxide | ND | 1 | 0.10 | 0.79 | ug/g |
| Heptane | ND | 5000 | 0.10 | 983.1 | ug/g |
| Hexane | ND | 290 | 0.10 | 49.15 | ug/g |
| Isopropyl Alcohol | ND | 5000 | 0.10 | 983.1 | ug/g |
| Methanol | ND | 3000 | 0.10 | 983.1 | ug/g |
| Methylene chloride | ND | 1 | 0.10 | 0.79 | ug/g |
| Pentane | ND | 5000 | 0.10 | 983.1 | ug/g |
| Propane | ND | 5000 | 0.10 | 983.1 | ug/g |
| Toluene | ND | 890 | 0.10 | 49.15 | ug/g |
| Trichloroethylene | ND | 1 | 0.10 | 0.79 | ug/g |
| xylenes (total) | ND | 2170 | 0.10 | 49.15 | ug/g |

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**Source Batch ID:** na
**Matrix:** Inhalable Hemp Products
**Batch Size:** na
**Sample Size:** 1 unit
**Date Sampled:** 11/14/24
**Date Received:** 11/14/24
**Harvest/Processing Date:** na
**Product Density:** na

## Metals Analysis by ICPMS

**Date/Time Extracted: 11/15/24 09:01**
**Analysis Method/SOP: HM-001**
**Date/Time Analyzed: 11/15/24 19:34**

| Analyte | Result | Action Level | LOD | LOQ | Units |
|---|---|---|---|---|---|
| Arsenic | <LOQ | 0.2 | 0.0110 | 0.0500 | ug/g |
| Cadmium | ND | 0.2 | 0.00100 | 0.0500 | ug/g |
| Lead | <LOQ | 0.5 | 0.00150 | 0.0500 | ug/g |
| Mercury | ND | 0.1 | 0.00350 | 0.0100 | ug/g |

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**Sample Size:** 1 unit
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**Harvest/Processing Date:** na
**Product Density:** na

## Mycotoxins by LCMSMS

**Date/Time Extracted: 11/15/24 09:04**
**Analysis Method/SOP: RP-001**
**Date/Time Analyzed: 11/16/24 00:10**

| Analyte | Result | Action Level | LOD | LOQ | Units |
|---|---|---|---|---|---|
| aflatoxin B1 | ND | | 1.94 | 4.84 | ug/kg |
| aflatoxin B2 | ND | | 0.969 | 4.84 | ug/kg |
| aflatoxin G1 | ND | | 0.969 | 4.84 | ug/kg |
| aflatoxin G2 | ND | | 2.42 | 4.84 | ug/kg |
| Ochratoxin A | ND | 20 | 9.69 | 12.1 | ug/kg |
| Total Aflatoxins | ND | 20 | 0.969 | 4.84 | ug/kg |

ND - Compound not detected
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## Microbials by PCR

**Date/Time Extracted: 11/15/24 08:56**
**Analysis Method/SOP: MI-301**
**Date/Time Analyzed: 11/19/24 10:37**

| Analyte | Result | Action Level | LOD | LOQ | Units | |
|---|---|---|---|---|---|---|
| Aspergillus Flavus | Pass | 1 | 0.00 | 0.00 | CFU/g | No detection in 1 gram |
| Aspergillus Fumigatus | Pass | 1 | 0.00 | 0.00 | CFU/g | No detection in 1 gram |
| Aspergillus Niger | Pass | 1 | 0.00 | 0.00 | CFU/g | No detection in 1 gram |
| Aspergillus Terreus | Pass | 1 | 0.00 | 0.00 | CFU/g | No detection in 1 gram |

## Filth and Foreign Material Inspection by Magnification

**Date/Time Extracted: 11/15/24 08:39**
**Analysis Method/SOP: FM-001**
**Date/Time Analyzed: 11/16/24 07:35**

| Analyte | Result | Action Level | LOD | LOQ | Units |
|---|---|---|---|---|---|
| Foreign Material | Pass | 1 | 1.00 | 1.00 | FMU |

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