



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 24-014055/D004.R001
Report Date: 02/19/2025
ORELAP#: OR100028
Purchase Order:
Received: 12/13/24 14:52

This is an amended version of report# 24-014055/D004.R000.
Reason: Updated client information

Customer: Green Haus Botanicals LLC
Product identity: Live D9 Knockout Huckleberry Gummy
Metrc ID: 3009NC_120424
Metrc Source ID:
Laboratory ID: 24-014055-0001

Summary

Potency:

| Analyte per 8g | Result | Limits | Units | Status | |
|----------------|--------|--------|-------|--------|---------------------------------------|
| CBD per 8g | 2.81 | | mg/8g | | Delta-9-THC-Total per 17.9 mg/8g |
| CBD-A per 8g | 2.45 | | mg/8g | | |
| CBG per 8g | 0.362 | | mg/8g | | CBD-Total per Serving Size 4.96 mg/8g |
| CBN per 8g | 9.20 | | mg/8g | | |
| Δ9-THC per 8g | 17.9 | | mg/8g | | (Reported in milligrams per serving) |

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Customer: Green Haus Botanicals LLC
 11410 Menchaca Road, Ste. 200
 Austin Texas 78748
 United States of America (USA)

Phone: 512-904-0026

Email: Mary@GreenHausATX.com

Product identity: Live D9 Knockout Huckleberry Gummy

Metrc ID: 309NC_120424

Metrc Source ID:

Material: Cannabinoid Edible

Sample Date:

Laboratory ID: 24-014055-0001

Evidence of Cooling: No

Temp: 16.3 °C

Lot #: 3009NC_120424

Serving Size #1: 8 g

Sample Results

| Potency per 8g | | | | | | |
|---|--------|--------|-------|-------|-------|--|
| Method: J AOAC 2015 V98-6 (mod) ^b | | | | | | |
| Units mg/se Batch: 2409652 Analyze: 12/16/24 5:50:00 PM | | | | | | |
| Analyte | Result | Limits | Units | LOQ | Notes | |
| CBD per 8g | 2.81 | | mg/8g | 0.258 | | |
| CBD-A per 8g [⊥] | 2.45 | | mg/8g | 0.258 | | |
| CBD-Total per 8g [⊥] | 4.96 | | mg/8g | 0.485 | | |
| CBG per 8g | 0.362 | | mg/8g | 0.258 | | |
| CBG-A per 8g | < LOQ | | mg/8g | 0.258 | | |
| CBG-Total per 8g | < LOQ | | mg/8g | 0.483 | | |
| CBN per 8g | 9.20 | | mg/8g | 0.258 | | |
| Δ10-THC-9R per 8g | < LOQ | | mg/8g | 0.258 | | |
| Δ10-THC-9S per 8g | < LOQ | | mg/8g | 0.258 | | |
| Δ10-THC-Total per 8g | < LOQ | | mg/8g | 0.517 | | |
| Δ8-THC per 8g [⊥] | < LOQ | | mg/8g | 0.258 | | |
| Δ9-THC per 8g [⊥] | 17.9 | | mg/8g | 0.258 | | |
| Δ9-THC-Total per 8g | 17.9 | | mg/8g | 0.485 | | |
| THC-A per 8g [⊥] | < LOQ | | mg/8g | 0.258 | | |



Microbiology

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed Method | Status | Notes |
|----------------------------------|----------|--------|-------|-----|---------|--------------------------------------|--------|-------|
| Aerobic Plate Count | < LOQ | | cfu/g | 10 | 2409598 | 12/16/24 AOAC 990.12 (Petrifilm) | | |
| E.coli | < LOQ | | cfu/g | 10 | 2409596 | 12/16/24 AOAC 991.14 (Petrifilm) | | |
| Total Coliforms | < LOQ | | cfu/g | 10 | 2409596 | 12/16/24 AOAC 991.14 (Petrifilm) | | |
| Staphylococcus aureus | < LOQ | | cfu/g | 10 | 2409600 | 12/15/24 AOAC 2003.07 | | |
| Mold (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 2409597 | 12/17/24 AOAC 2014.05 (RAPID) | | |
| Yeast (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 2409597 | 12/17/24 AOAC 2014.05 (RAPID) | | |
| Listeria spp. | Negative | | /5g | | 2409603 | 12/15/24 AOAC 2019.10 | | |
| Salmonella spp. [±] | Negative | | /5g | | 2409601 | 12/15/24 AOAC 2020.02 ^b | | |
| EHEC including STEC [±] | Negative | | /5g | | 2409602 | 12/15/24 AOAC RI 121806 ^b | | |

| Solvents | | Method: Residual Solvents by HS-GC-MS ^b | | | | | Units | Batch | Analyze | | | |
|--|--------|--|------|--------|-------|--|---------|----------|----------|--------|-------|--|
| Analyte | Result | Limits | LOQ | Status | Notes | µg/g | 2409630 | 12/16/24 | 04:50 PM | | | |
| Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes | |
| 1,4-Dioxane [±] | < LOQ | 380 | 100 | pass | | 2-Butanol [±] | < LOQ | 5000 | 200 | pass | | |
| 2-Ethoxyethanol [±] | < LOQ | 160 | 30.0 | pass | | 2-Methylbutane (Isopentane) [±] | < LOQ | | 200 | | | |
| 2-Methylpentane [±] | < LOQ | | 30.0 | | | 2-Propanol (IPA) [±] | < LOQ | 5000 | 200 | pass | | |
| 2,2-Dimethylbutane [±] | < LOQ | | 30.0 | | | 2,2-Dimethylpropane (neo-pentane) [±] | < LOQ | | 200 | | | |
| 2,3-Dimethylbutane [±] | < LOQ | | 30.0 | | | 3-Methylpentane [±] | < LOQ | | 30.0 | | | |
| Acetone [±] | < LOQ | 5000 | 200 | pass | | Acetonitrile [±] | < LOQ | 410 | 100 | pass | | |
| Benzene [±] | < LOQ | 2.00 | 1.00 | pass | | Butanes (sum) [±] | < LOQ | 5000 | 400 | pass | | |
| Cyclohexane [±] | < LOQ | 3880 | 200 | pass | | Ethyl acetate [±] | < LOQ | 5000 | 200 | pass | | |
| Ethyl benzene | < LOQ | | 200 | | | Ethyl ether [±] | < LOQ | 5000 | 200 | pass | | |
| Ethylene glycol [±] | < LOQ | 620 | 200 | pass | | Ethylene oxide [±] | < LOQ | 50.0 | 20.0 | pass | | |
| Hexanes (sum) [±] | < LOQ | 290 | 150 | pass | | Isopropyl acetate [±] | < LOQ | 5000 | 200 | pass | | |
| Isopropylbenzene (Cumene) [±] | < LOQ | 70.0 | 30.0 | pass | | m,p-Xylene [±] | < LOQ | | 200 | | | |
| Methanol [±] | < LOQ | 3000 | 200 | pass | | Methylene chloride [±] | < LOQ | 600 | 60.0 | pass | | |
| Methylpropane (Isobutane) [±] | < LOQ | | 200 | | | n-Butane [±] | < LOQ | | 200 | | | |
| n-Heptane [±] | < LOQ | 5000 | 200 | pass | | n-Hexane [±] | < LOQ | | 30.0 | | | |
| n-Pentane [±] | < LOQ | | 200 | | | o-Xylene [±] | < LOQ | | 200 | | | |
| Pentanes (sum) | < LOQ | 5000 | 600 | pass | | Propane | < LOQ | 5000 | 200 | pass | | |
| Tetrahydrofuran [±] | < LOQ | 720 | 100 | pass | | Toluene [±] | < LOQ | 890 | 100 | pass | | |
| Total Xylenes [±] | < LOQ | | 400 | | | Total Xylenes and Ethyl benzene | < LOQ | 2170 | 600 | pass | | |



| Pesticides | | | | | | | | | | | |
|---------------------------------------|--------|--------|-------|--------|-------------|----------------------------------|---------------|--------|---------------------------|--------|-------|
| Method: AOAC 2007.01 & EN 15662 (mod) | | | | | Units mg/kg | | Batch 2409718 | | Analyze 12/19/24 08:15 AM | | |
| Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes |
| Abamectin [±] | < LOQ | 0.50 | 0.250 | pass | | Acephate [±] | < LOQ | 0.40 | 0.200 | pass | |
| Acequinocyl [±] | < LOQ | 2.0 | 1.00 | pass | | Acetamiprid [±] | < LOQ | 0.20 | 0.100 | pass | |
| Aldicarb [±] | < LOQ | 0.40 | 0.200 | pass | | Azoxystrobin [±] | < LOQ | 0.20 | 0.100 | pass | |
| Bifentazate [±] | < LOQ | 0.20 | 0.100 | pass | | Bifenthrin [±] | < LOQ | 0.20 | 0.100 | pass | |
| Boscalid [±] | < LOQ | 0.40 | 0.200 | pass | | Carbaryl [±] | < LOQ | 0.20 | 0.100 | pass | |
| Carbofuran [±] | < LOQ | 0.20 | 0.100 | pass | | Chlorantraniliprole [±] | < LOQ | 0.20 | 0.100 | pass | |
| Chlorfenapyr [±] | < LOQ | 1.0 | 0.500 | pass | | Chlorpyrifos-ethyl [±] | < LOQ | 0.20 | 0.100 | pass | |
| Clofentezine [±] | < LOQ | 0.20 | 0.100 | pass | | Cyfluthrin (sum) [±] | < LOQ | 1.0 | 0.500 | pass | |
| Cypermethrin and | < LOQ | 1.0 | 0.500 | pass | | Daminozide [±] | < LOQ | 1.0 | 0.500 | pass | |
| Diazinon [±] | < LOQ | 0.20 | 0.100 | pass | | Dichlorvos [±] | < LOQ | 1.0 | 0.500 | pass | |
| Dimethoate [±] | < LOQ | 0.20 | 0.100 | pass | | Ethoprophos [±] | < LOQ | 0.20 | 0.100 | pass | |
| Etofenprox [±] | < LOQ | 0.40 | 0.200 | pass | | Etoxazole [±] | < LOQ | 0.20 | 0.100 | pass | |
| Fenoxycarb [±] | < LOQ | 0.20 | 0.100 | pass | | Fenpyroximate [±] | < LOQ | 0.40 | 0.200 | pass | |
| Fipronil [±] | < LOQ | 0.40 | 0.200 | pass | | Flonicamid [±] | < LOQ | 1.0 | 0.400 | pass | |
| Fludioxonil [±] | < LOQ | 0.40 | 0.200 | pass | | Hexythiazox [±] | < LOQ | 1.0 | 0.400 | pass | |
| Imazalil [±] | < LOQ | 0.20 | 0.100 | pass | | Imidacloprid [±] | < LOQ | 0.40 | 0.200 | pass | |
| Kresoxim-methyl [±] | < LOQ | 0.40 | 0.200 | pass | | Malathion [±] | < LOQ | 0.20 | 0.100 | pass | |
| Metalaxyl [±] | < LOQ | 0.20 | 0.100 | pass | | Methiocarb [±] | < LOQ | 0.20 | 0.100 | pass | |
| Methomyl [±] | < LOQ | 0.40 | 0.200 | pass | | MGK-264 [±] | < LOQ | 0.20 | 0.100 | pass | |
| Myclobutanil [±] | < LOQ | 0.20 | 0.100 | pass | | Naled [±] | < LOQ | 0.50 | 0.250 | pass | |
| Oxamyl [±] | < LOQ | 1.0 | 0.500 | pass | | Paclobotrazole [±] | < LOQ | 0.40 | 0.200 | pass | |
| Parathion-methyl [±] | < LOQ | 0.20 | 0.100 | pass | | Permethrin [±] | < LOQ | 0.20 | 0.100 | pass | |
| Phosmet [±] | < LOQ | 0.20 | 0.100 | pass | | Piperonyl butoxide [±] | < LOQ | 2.0 | 1.00 | pass | |
| Prallethrin [±] | < LOQ | 0.20 | 0.100 | pass | | Propiconazole [±] | < LOQ | 0.40 | 0.200 | pass | |
| Propoxur [±] | < LOQ | 0.20 | 0.100 | pass | | Pyrethrin I (total) [±] | < LOQ | 1.0 | 0.500 | pass | |
| Pyridaben [±] | < LOQ | 0.20 | 0.100 | pass | | Spinosad [±] | < LOQ | 0.20 | 0.100 | pass | |
| Spiromesifen [±] | < LOQ | 0.20 | 0.100 | pass | | Spirotetramat [±] | < LOQ | 0.20 | 0.100 | pass | |
| Spiroxamine [±] | < LOQ | 0.40 | 0.200 | pass | | Tebuconazole [±] | < LOQ | 0.40 | 0.200 | pass | |
| Thiacloprid [±] | < LOQ | 0.20 | 0.100 | pass | | Thiamethoxam [±] | < LOQ | 0.20 | 0.100 | pass | |
| Trifloxystrobin [±] | < LOQ | 0.20 | 0.100 | pass | | | | | | | |

| Metals | | | | | | | | | | |
|----------------------|--------|--------|-------|---------|---------|----------|----------------------------------|--------|-------|--|
| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed | Method | Status | Notes | |
| Arsenic [±] | < LOQ | 0.200 | mg/kg | 0.0157 | 2409671 | 12/17/24 | AOAC 2013.06 (mod.) ^p | pass | | |
| Cadmium [±] | < LOQ | 0.200 | mg/kg | 0.0157 | 2409671 | 12/17/24 | AOAC 2013.06 (mod.) ^p | pass | | |
| Lead [±] | < LOQ | 0.500 | mg/kg | 0.0157 | 2409671 | 12/17/24 | AOAC 2013.06 (mod.) ^p | pass | | |
| Mercury [±] | < LOQ | 0.100 | mg/kg | 0.00787 | 2409671 | 12/17/24 | AOAC 2013.06 (mod.) ^p | pass | | |

Notes:

See attached Mycotoxin results



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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

^p = ISO/IEC 17025:2017 accredited method.

[⊥] = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram

g = Gram

µg/g = Microgram per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/8g = Milligram per 8g

/5g = Per 5 grams

% = Percentage of sample

% wt = µg/g divided by 10,000



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Certificate of Analysis

Provided for quality control or research and development purposes.

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 1 of 2

Columbia Labs
 12423 NE Whitaker Way
 Portland, OR 97230
 cannahemp@tentamus.com
 (503) 254-1794
 Lic. #010-1003224D558

Sample: 2412CH0259.1165

Strain: NA
 Batch#: ; Batch Size: g
 Sample Received: 12/16/2024; Report Created: 12/17/2024
 Harvest/Production Date:
 Sampling: Random; Environment: Room Temp

14055-01

Ingestible, Soft Chew, Other
 Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Mycotoxins

879 LCQQQ6 20241216-1

Pass

| Analyte | LOQ | Limit | Result | Status |
|------------------|-------|-------|--------|--------|
| | PPB | PPB | PPB | |
| B1 | 10.00 | | <LOQ | Tested |
| B2 | 10.00 | | <LOQ | Tested |
| G1 | 10.00 | | <LOQ | Tested |
| G2 | 10.00 | | <LOQ | Tested |
| Ochratoxin A | 10.00 | 20.00 | <LOQ | Pass |
| Total Aflatoxins | 10.00 | 20.00 | <LOQ | Pass |

Method: Modified AOAC 2007.01, Triple Quad analysis; LOQ = Limit of Quantification; PPB = Parts Per Billion; ND = Not Detected; NR = Not Reported; ORELAP ID 4057. ChemHistory estimates its internal laboratory uncertainty acceptance limits to be 7% for sample pesticide results.



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 Portland, OR
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 http://chemhistory.com
 Lic# OLCC 010-1002015CA5E ORELAP 4057

Patrick Trujillo

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 Laboratory Director

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Certificate of Analysis

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2 of 2

Columbia Labs
12423 NE Whitaker Way
Portland, OR 97230
cannahemp@tentamus.com
(503) 254-1794
Lic. #010-1003224D558

Sample: 2412CH0259.1165

Strain: NA
Batch#: ; Batch Size: g
Sample Received: 12/16/2024; Report Created: 12/17/2024
Harvest/Production Date:
Sampling: Random; Environment: Room Temp

14055-01

Ingestible, Soft Chew, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Quality Control Data

| Analytical Batch ID | QC Sample ID | Assay Name | QC Category Name |
|-----------------------|-----------------|------------|------------------|
| 879 LCQQQ6 20241216-1 | MRSB121624101CN | Mycotoxins | Sample Duplicate |

QC Notes
None

| Aflatoxins | ICV amount | Blank amount | LCS amount | CCV amount | LCS Expected | LCS % Recovery | Units | LCS Acceptance Limits |
|--------------|------------|--------------|------------|------------|--------------|----------------|-------|-----------------------|
| B1 | 1000.79 | 0 | 223.1 | 1024.5 | 200 | 1.1155 | ppb | 60-120% |
| B2 | 963.59 | 0 | 233.03 | 1037.94 | 200 | 1.16515 | ppb | 60-120% |
| G1 | 925.85 | 0 | 224.18 | 1020.71 | 200 | 1.1209 | ppb | 60-120% |
| G2 | 882.45 | 0 | 212.57 | 1024.63 | 200 | 1.06285 | ppb | 60-120% |
| Ochratoxin A | 982.14 | 0 | 308.28 | 956.51 | 200 | 1.5414 | ppb | 60-120% |

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