



Certificate of Analysis

Sample:AL30320002-005
Harvest/Lot ID: 0028
Batch#: 0028
Cultivation Facility:
Processing Facility :
Distributor Facility :
Source Facility :
Seed to Sale# 1
Sample Size Received: 13 units
Total Amount: 2500 units
Retail Product Size: 1 gram
Sampled : 03/20/23
Sampling Method: N/A

PASSED

Mar 28, 2023 | ReliefLeaf, LLC

2612 RT 52
Hopewell Junction , NY, 12533, US

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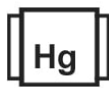
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
NOT TESTED



Filtth
PASSED



Water Activity
PASSED



Moisture
PASSED



Terpenes
NOT TESTED

MISC.



Cannabinoid

PASSED



Total THC
30.3372%



Total CBD
<LOQ



Total Cannabinoids
36.0551%

| | (6AR,9R) D10-THC | (6AR,9S) D10-THC | CBC | CBD | CBDA | CBDV | CBG | CBGA | CBN | D8-THC | D9-THC | THCA | THCV |
|---------|---------------------|---------------------|------|------|--------|------|------|--------|------|--------|--------|---------|------|
| % | <LOQ | <LOQ | <LOQ | <LOQ | 0.1132 | <LOQ | <LOQ | 1.4462 | <LOQ | <LOQ | 0.6868 | 33.8089 | <LOQ |
| mg/unit | <LOQ | <LOQ | <LOQ | <LOQ | 1.132 | <LOQ | <LOQ | 14.462 | <LOQ | <LOQ | 6.868 | 338.089 | <LOQ |
| LOQ | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| | % | % | % | % | % | % | % | % | % | % | % | % | % |

Analyzed by: 397, 424, 297 Weight: 0.2067g Extraction date: 03/22/23 17:03:34 Extracted by: 683,712

Analysis Method : SOP.T.30.031.NY, SOP.T.40.031.NY
Analytical Batch : AL000968POT
Instrument Used : AL-115 (Flower)
Running on : 03/23/23 14:18:52

Reviewed On : 03/24/23 16:39:46
Batch Date : 03/22/23 13:51:18

Dilution : 400
Reagent : 070822.02; 010722.03
Consumables : X0039CTBWP; 210913-274-D; 220126; 11152021; 292651; 9LCJ1611R; 0980420; 239146; 257382/ 257796; 300118183; GD220004
Pipette : AL-003 - Transf. S 2-20 ul; AL-011 - Transf. S 20-200; AL-016 - Transf. S 100-1000 ul; AL-030 - Disp. S 5-50 ml

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).



Signature

Signed On



Certificate of Analysis

PASSED

ReliefLeaf, LLC

2612 RT 52
Hopewell Junction , NY, 12533, US
Telephone: (860) 874-2872
Email: nick@headytree.com

Sample : AL30320002-005
Harvest/Lot ID: 0028

Batch# : 0028
Sampled : 03/20/23

Sample Size Received : 13 units
Total Amount : 2500 units
Sample Method : SOP Client Method

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Pesticides

PASSED

| Pesticide | LOQ | Units | Action Level | Pass/Fail | Result | Pesticide | LOQ | Units | Action Level | Pass/Fail | Result |
|-----------------------|-----|-------|--------------|-----------|--------|---------------------------|-----|-------|--------------|-----------|--------|
| PYRETHRINS, TOTAL | 0.1 | ppm | 1 | PASS | <LOQ | PACLOBUTRAZOL | 0.1 | ppm | 0.4 | PASS | <LOQ |
| AZADIRACHTIN | 0.1 | ppm | 1 | PASS | <LOQ | PHOSMET | 0.1 | ppm | 0.2 | PASS | <LOQ |
| INDOLE-3-BUTYRIC ACID | 0.1 | ppm | 1 | PASS | <LOQ | PRALLETHRIN | 0.1 | ppm | 0.2 | PASS | <LOQ |
| MYCLOBUTANIL | 0.1 | ppm | 0.2 | PASS | <LOQ | PROPICONAZOLE | 0.1 | ppm | 0.4 | PASS | <LOQ |
| PIPERONYL BUTOXIDE | 0.1 | ppm | 2 | PASS | <LOQ | PROPOXUR | 0.1 | ppm | 0.2 | PASS | <LOQ |
| ABAMECTIN B1A | 0.1 | ppm | 0.5 | PASS | <LOQ | PYRIDABEN | 0.1 | ppm | 0.2 | PASS | <LOQ |
| ACEPHATE | 0.1 | ppm | 0.4 | PASS | <LOQ | SPINETORAM, TOTAL | 0.1 | ppm | 1 | PASS | <LOQ |
| ACEQUINOCYL | 0.1 | ppm | 2 | PASS | <LOQ | SPINOSAD, TOTAL | 0.1 | ppm | 0.2 | PASS | <LOQ |
| ACETAMIPRID | 0.1 | ppm | 0.2 | PASS | <LOQ | SPIROMESIFEN | 0.1 | ppm | 0.2 | PASS | <LOQ |
| ALDICARB | 0.1 | ppm | 0.4 | PASS | <LOQ | SPIROTETRAMAT | 0.1 | ppm | 0.2 | PASS | <LOQ |
| AZOXYSTROBIN | 0.1 | ppm | 0.2 | PASS | <LOQ | SPIROXAMINE | 0.1 | ppm | 0.2 | PASS | <LOQ |
| CHLORMEQUAT CHLORIDE | 0.1 | ppm | 1 | PASS | <LOQ | TEBUCONAZOLE | 0.1 | ppm | 0.4 | PASS | <LOQ |
| BIFENAZATE | 0.1 | ppm | 0.2 | PASS | <LOQ | THIACLOPRID | 0.1 | ppm | 0.2 | PASS | <LOQ |
| BIFENTHRIN | 0.1 | ppm | 0.2 | PASS | <LOQ | THIAMETHOXAM | 0.1 | ppm | 0.2 | PASS | <LOQ |
| CARBARYL | 0.1 | ppm | 0.2 | PASS | <LOQ | TRIFLOXYSTROBIN | 0.1 | ppm | 0.2 | PASS | <LOQ |
| COUMAPHOS | 0.1 | ppm | 1 | PASS | <LOQ | CAPTAN * | 0.1 | ppm | 1 | PASS | <LOQ |
| CHLORPYRIFOS | 0.1 | ppm | 0.2 | PASS | <LOQ | CHLORDANE * | 0.1 | ppm | 1 | PASS | <LOQ |
| DAMINOZIDE | 0.1 | ppm | 1 | PASS | <LOQ | CHLORFENAPYR * | 0.1 | ppm | 1 | PASS | <LOQ |
| BOSCALID | 0.1 | ppm | 0.4 | PASS | <LOQ | CYFLUTHRIN * | 0.1 | ppm | 1 | PASS | <LOQ |
| CARBOFURAN | 0.1 | ppm | 0.2 | PASS | <LOQ | CYPERMETHRIN * | 0.1 | ppm | 1 | PASS | <LOQ |
| CHLORANTRANILIPROLE | 0.1 | ppm | 0.2 | PASS | <LOQ | METHYL PARATHION * | 0.1 | ppm | 0.2 | PASS | <LOQ |
| CLOFENTEZINE | 0.1 | ppm | 0.2 | PASS | <LOQ | MGK-264 * | 0.1 | ppm | 0.2 | PASS | <LOQ |
| DIAZINON | 0.1 | ppm | 0.2 | PASS | <LOQ | PENTACHLORONITROBENZENE * | 0.1 | ppm | 1 | PASS | <LOQ |
| DICHLORVOS | 0.1 | ppm | 1 | PASS | <LOQ | | | | | | |
| DIMETHOATE | 0.1 | ppm | 0.2 | PASS | <LOQ | | | | | | |
| DIMETHOMORPH | 0.1 | ppm | 1 | PASS | <LOQ | | | | | | |
| ETHOPROPHOS | 0.1 | ppm | 0.2 | PASS | <LOQ | | | | | | |
| ETOFENPROX | 0.1 | ppm | 0.4 | PASS | <LOQ | | | | | | |
| ETOXAZOLE | 0.1 | ppm | 0.2 | PASS | <LOQ | | | | | | |
| FENHEXAMID | 0.1 | ppm | 1 | PASS | <LOQ | | | | | | |
| FENOXYCARB | 0.1 | ppm | 0.2 | PASS | <LOQ | | | | | | |
| FENPYROXIMATE | 0.1 | ppm | 0.4 | PASS | <LOQ | | | | | | |
| FIPRONIL | 0.1 | ppm | 0.4 | PASS | <LOQ | | | | | | |
| FLONICAMID | 0.1 | ppm | 1 | PASS | <LOQ | | | | | | |
| FLUDIOXONIL | 0.1 | ppm | 0.4 | PASS | <LOQ | | | | | | |
| HEXYTHIAZOX | 0.1 | ppm | 1 | PASS | <LOQ | | | | | | |
| IMAZALIL | 0.1 | ppm | 0.2 | PASS | <LOQ | | | | | | |
| IMIDACLOPRID | 0.1 | ppm | 0.4 | PASS | <LOQ | | | | | | |
| KRESOXIM METHYL | 0.1 | ppm | 0.4 | PASS | <LOQ | | | | | | |
| MALATHION | 0.1 | ppm | 0.2 | PASS | <LOQ | | | | | | |
| METALAXYL | 0.1 | ppm | 0.2 | PASS | <LOQ | | | | | | |
| METHIOCARB | 0.1 | ppm | 0.2 | PASS | <LOQ | | | | | | |
| METHOMYL | 0.1 | ppm | 0.4 | PASS | <LOQ | | | | | | |
| MEVINPHOS | 0.1 | ppm | 1 | PASS | <LOQ | | | | | | |
| NALED | 0.1 | ppm | 0.5 | PASS | <LOQ | | | | | | |
| OXAMYL | 0.1 | ppm | 1 | PASS | <LOQ | | | | | | |

Analyzed by: 735, 509, 297, 424 **Weight:** 1.0094g **Extraction date:** 03/22/23 17:35:34 **Extracted by:** 395

Analysis Method: SOP.T.40.104.NY, SOP.T30.104.NY and SOP.T.40.154.NY
Analytical Batch: AL000971PES **Reviewed On:** 03/27/23 15:25:22
Instrument Used: AL-131 - Vanquish **Batch Date:** 03/22/23 16:08:43
Running on: N/A

Dilution: 25
Reagent: 031623.R24; 040522.08; 030123.R09; 102122.01
Consumables: X0039CTBWP; 11152021; 292651; 9LCJ1611R; 12265-115CC-115; 239146; 257382/257796; 6697086-01; GD220004; 16398001
Pipette: AL-003 - Transf. S 2-20 ul; AL-009 - Transf. S 20-200 ul; AL-017 - Transf. S 100-1000 ul; AL-152 - Disp. S Org. 5-50 ml

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS).

Analyzed by: 735, 509, 297 **Weight:** 1.0094g **Extraction date:** 03/22/23 17:35:34 **Extracted by:** 395

Analysis Method: SOP.T.40.154.NY
Analytical Batch: AL000977VOL **Reviewed On:** 03/24/23 10:59:04
Instrument Used: N/A **Batch Date:** 03/23/23 10:03:29
Running on: N/A

Dilution: 25
Reagent: 031623.R24; 040522.08; 030123.R09; 102122.01
Consumables: X0039CTBWP; 11152021; 292651; 9LCJ1611R; 12265-115CC-115; 239146; 257382/257796; 6697086-01; GD220004; 16398001
Pipette: AL-003 - Transf. S 2-20 ul; AL-009 - Transf. S 20-200 ul; AL-017 - Transf. S 100-1000 ul; AL-152 - Disp. S Org. 5-50 ml

Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry and Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.



Signature

03/28/23

Signed On



Certificate of Analysis

PASSED

ReliefLeaf, LLC

 2612 RT 52
 Hopewell Junction, NY, 12533, US
 Telephone: (860) 874-2872
 Email: nick@headytrees.com

 Sample : AL30320002-005
 Harvest/Lot ID: 0028

 Batch#: 0028
 Sampled : 03/20/23

 Sample Size Received : 13 units
 Total Amount : 2500 units
 Sample Method : SOP Client Method

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| | | |
|---|-------------------|---------------|
|  | Microbial | PASSED |
|  | Mycotoxins | PASSED |

| Analyte | LOQ | Units | Result | Pass / Fail | Action Level |
|--|-----|---|-------------|--------------------------|--------------|
| TOTAL AEROBIC BACTERIA | 10 | CFU/g | 78000 | TESTED | |
| TOTAL YEAST AND MOLD | 10 | CFU/g | 23000 | TESTED | |
| ESCHERICHIA COLI SHIGELLA SPP | | | Not Present | PASS | |
| SALMONELLA SPECIES | | | Not Present | PASS | |
| ASPERGILLUS TERREUS | | | Not Present | PASS | |
| ASPERGILLUS NIGER | | | Not Present | PASS | |
| ASPERGILLUS FLAVUS | | | Not Present | PASS | |
| ASPERGILLUS FUMIGATUS | | | Not Present | PASS | |
| Analyzed by: 294, 357, 600, 297 | | | | | |
| Weight: 1.0405g | | Extraction date: 03/22/23 14:50:26 | | Extracted by: 600 | |
| Analysis Method : SOP.T.40.058A.NY, SOP.T.40.058B.NY, SOP.T.40.208.NY | | | | | |
| Analytical Batch : AL000969MIC | | | | | |
| Instrument Used : AL-250 - Gene-Up | | | | | |
| Running on : 03/24/23 09:51:07 | | | | | |
| Reviewed On : 03/28/23 14:50:25 | | | | | |
| Batch Date : 03/22/23 13:51:49 | | | | | |
| Dilution : N/A | | | | | |
| Reagent : N/A | | | | | |
| Consumables : N/A | | | | | |
| Pipette : N/A | | | | | |

| Analyte | LOQ | Units | Result | Pass / Fail | Action Level |
|--|--------|---|--------|--------------------------|--------------|
| AFLATOXIN G2 | 0.0025 | ppm | <LOQ | PASS | 0.02 |
| AFLATOXIN G1 | 0.0025 | ppm | <LOQ | PASS | 0.02 |
| AFLATOXIN B2 | 0.0025 | ppm | <LOQ | PASS | 0.02 |
| AFLATOXIN B1 | 0.0025 | ppm | <LOQ | PASS | 0.02 |
| OCHRATOXIN A+ | 0.01 | ppm | <LOQ | PASS | 0.02 |
| TOTAL AFLATOXINS (B1, B2, G1, G2) | 0.0025 | ppm | <LOQ | PASS | 0.02 |
| Analyzed by: 735, 509, 297, 424 | | | | | |
| Weight: 1.0094g | | Extraction date: 03/22/23 17:35:34 | | Extracted by: 395 | |
| Analysis Method : SOP.T.30.104.NY, SOP.T.40.104.NY | | | | | |
| Analytical Batch : AL000976MYC | | | | | |
| Instrument Used : N/A | | | | | |
| Running on : N/A | | | | | |
| Reviewed On : 03/27/23 15:22:40 | | | | | |
| Batch Date : 03/23/23 10:03:27 | | | | | |
| Dilution : 25 | | | | | |
| Reagent : 031623.R24; 040522.08; 030123.R09; 102122.01 | | | | | |
| Consumables : X0039CTBWP; 11152021; 292651; 9LCJ1611R; 12265-115CC-115; 239146; 257382/ 257796; 6697086-01; GD220004; 16398001 | | | | | |
| Pipette : AL-003 - Transf. S 2-20 ul; AL-009 - Transf. S 20-200 ul; AL-017 - Transf. S 100-1000 ul; AL-152 - Disp. S Org. 5-50 ml | | | | | |

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg.



Heavy Metals

PASSED

| Metal | LOQ | Units | Result | Pass / Fail | Action Level |
|----------|------|-------|---------|-------------|--------------|
| ANTIMONY | 0.1 | ug/g | <LOQ | PASS | 2 |
| ARSENIC | 0.1 | ug/g | <LOQ | PASS | 0.2 |
| CADMIUM | 0.1 | ug/g | <LOQ | PASS | 0.3 |
| CHROMIUM | 0.1 | ug/g | <LOQ | PASS | 110 |
| COPPER | 1 | ug/g | 11.9505 | PASS | 30 |
| LEAD | 0.1 | ug/g | <LOQ | PASS | 0.5 |
| MERCURY | 0.01 | ug/g | <LOQ | PASS | 0.1 |
| NICKEL | 0.1 | ug/g | <LOQ | PASS | 2 |

Analyzed by: 397, 509, 297

Weight: 0.5012g

Extraction date: 03/23/23 10:48:17

Extracted by: 566

Analysis Method : SOP.T.30.084.NY, SOP.T.40.084.NY

Analytical Batch : AL000975HEA

Instrument Used : AL-079 (Inhalation)

Running on : 03/23/23 14:46:56

Reviewed On : 03/24/23 11:01:46

Batch Date : 03/23/23 09:51:54

Dilution : 500

Reagent : N/A

Consumables : N/A

Pipette : N/A

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.



Certificate of Analysis

PASSED

ReliefLeaf, LLC

2612 RT 52
Hopewell Junction, NY, 12533, US
Telephone: (860) 874-2872
Email: nick@headytree.com

Sample : AL30320002-005
Harvest/Lot ID: 0028

Batch# : 0028
Sampled : 03/20/23

Sample Size Received : 13 units
Total Amount : 2500 units
Sample Method : SOP Client Method

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Filth/Foreign Material **PASSED**



Moisture **PASSED**

| Analyte | LOQ | Units | Result | P/F | Action Level |
|-------------------|-----|-------|--------|------|--------------|
| Stems (>3mm) | 1 | % | ND | PASS | 5 |
| Foreign Matter | 0.1 | % | ND | PASS | 2 |
| Mammalian excreta | 0.1 | mg | ND | PASS | 1 |

| Analyzed by: | Weight: | Extraction date: | Extracted by: |
|---------------|---------|-------------------|---------------|
| 395, 424, 297 | 9.1651g | 03/22/23 16:07:01 | 712,395 |

Analysis Method : SOP.T.40.090
Analytical Batch : AL000970FIL
Instrument Used : AL-113 - Stereo Microscope/ZTX-3E
Running on : N/A
Reviewed On : 03/23/23 14:25:24
Batch Date : 03/22/23 14:52:22

Dilution : N/A
Reagent : N/A
Consumables : GD220004
Pipette : N/A

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is used for inspection.



Water Activity **PASSED**

| Analyte | LOQ | Units | Result | P/F | Action Level |
|----------------|-----|-------|--------|------|--------------|
| Water Activity | 0.1 | aw | 0.22 | PASS | 0.65 |

| Analyzed by: | Weight: | Extraction date: | Extracted by: |
|--------------------|---------|-------------------|---------------|
| 719, 395, 424, 297 | 0.4093g | 03/23/23 11:43:03 | 566 |

Analysis Method : SOP.T.40.019
Analytical Batch : AL000973WAT
Instrument Used : AL-110 - Water Activity Meter
Running on : N/A
Reviewed On : 03/27/23 13:25:23
Batch Date : 03/22/23 16:13:53

Dilution : N/A
Reagent : 022823.14
Consumables : GD220004
Pipette : N/A

Water Activity is performed using a Rotronic HygroPalm HP 23-AW in accordance with F.S. Rule 64ER20-39.

Signature

03/28/23

Signed On