



Certificate of Analysis

Sample:AL30320002-001
Harvest/Lot ID: 0024
Batch#: 0024
Cultivation Facility:
Processing Facility :
Distributor Facility :
Source Facility :
Seed to Sale# 1
Sample Size Received: 13 units
Total Amount: 3000 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

Pages 1 of 4

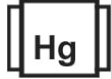
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
NOT TESTED



Filtration
PASSED



Water Activity
PASSED



Moisture
PASSED



Terpenes
NOT TESTED

MISC.



Cannabinoid

PASSED



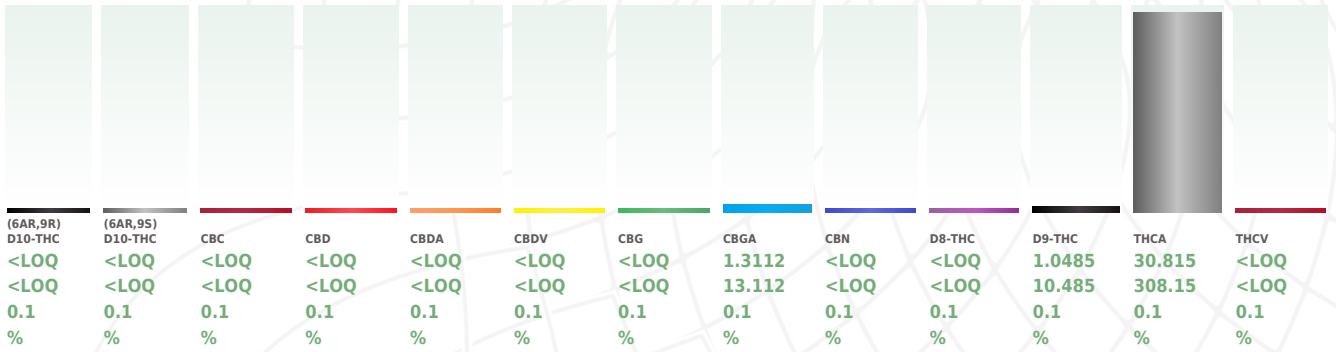
Total THC
28.0732%



Total CBD
<LOQ



Total Cannabinoids
33.1747%



Analyzed by: 397, 424, 297 Weight: 0.2074g Extraction date: 03/22/23 16:50:57 Extracted by: 683,712

Analysis Method : SOP.T.30.031.NY, SOP.T.40.031.NY
 Analytical Batch : AL000968POT Reviewed On : 03/24/23 16:31:36
 Instrument Used : AL-115 (Flower) Batch Date : 03/22/23 13:51:18
 Running on : 03/23/23 14:18:52

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).

Erica Troy
Lab Director

NY Permit # OCM-CPL-2022-00006
ISO 17025 Accreditation # 97164



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@headytreet.com

Sample : AL30320002-001
Harvest/Lot ID: 0024

Batch# : 0024
Sampled : 03/20/23

Sample Size Received : 13 units
Total Amount : 3000 units
Sample Method : SOP Client Method

Page 2 of 4



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
AZADIRACTIN	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:** 1.0112g **Extraction date:** 03/22/23 17:25:40 **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 15:24:09
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:** 1.0112g **Extraction date:** 03/22/23 17:25:40 **Extracted by:** 395

Analysis Method: SOP.T.40.154.NY
Analytical Batch: AL000977VOL **Reviewed On:** 03/24/23 10:58:22
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.



Certificate of Analysis

PASSED

ReliefLeaf, LLC

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

Sample : AL30320002-001
Harvest/Lot ID: 0024

Batch#: 0024
Sampled : 03/20/23

Sample Size Received : 13 units
Total Amount : 3000 units
Sample Method : SOP Client Method

Page 3 of 4

	Microbial	PASSED		Mycotoxins	PASSED
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Analyte	LOQ	Units	Result	Pass / Fail	Action Level
TOTAL AEROBIC BACTERIA	10	CFU/g	170000	TESTED	
TOTAL YEAST AND MOLD	10	CFU/g	210000	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: 1.0356g		Extraction date: 03/22/23 14:32:53		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 14:42:33					
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: 1.0112g		Extraction date: 03/22/23 17:25:40		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 15:22:13					
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
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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	13.3029	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: 0.5018g		Extraction date: 03/23/23 10:38:35		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 11:01:06					
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

 Sample : AL30320002-001
 Harvest/Lot ID: 0024

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

 Batch# : 0024
 Sampled : 03/20/23

 Sample Size Received : 13 units
 Total Amount : 3000 units
 Sample Method : SOP Client Method

Page 4 of 4


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

Analyte	LOQ	Units	Result	P/F	Action Level
Moisture Content	5	%	11.6	PASS	15

Analyzed by:	Weight:	Extraction date:	Extracted by:
395, 424, 297	8.022g	03/22/23 16:07:00	712,395

Analyzed by:	Weight:	Extraction date:	Extracted by:
395, 424, 297	0.505g	03/23/23 10:17:28	395,712

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 14:24:20
 Batch Date : 03/22/23 14:52:22

Analysis Method : SOP.T.40.021
 Analytical Batch : AL000972MOI
 Instrument Used : AL-109 - MOC63u UL
 Running on : N/A
 Reviewed On : 03/23/23 11:51:18
 Batch Date : 03/22/23 16:12:39
 Dilution : N/A
 Reagent : 091422.06
 Consumables : 239146; 951; GD220004
 Pipette : AL-220 - Transf. S 20-200uL

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	0.3202g	03/23/23 11:38:15	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 13:25:06
 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.