

ANALYZED BY:

Anresco Laboratories
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C8-0000052-LIC

DISTRIBUTOR:

Open Book Extracts
317 Lucy Garrett Road
Roxboro 27574

MANUFACTURER:

317 Lucy Garrett Road
Roxboro, NC 27574



SAMPLE INFORMATION

Sample No.: 1133943
Product Name: Energy Gummy
Matrix: Edible (Gummy)
Batch #: HD-003-02

Date Collected: 07/25/2022
Date Received: 07/25/2022
Date Reported: 07/28/2022

TEST SUMMARY

Cannabinoid Profile: ✔ Tested
Pesticide Residue Screen: ✔ Pass
Heavy Metal Screen: ✔ Pass

Microbiological Screen: ✔ Tested
Residual Solvent Screen: ✔ Pass
Mycotoxin Screen: ✔ Pass

Cannabinoid Profile

07/27/2022

Method: MF-CHEM-15
Instrument: Liquid Chromatography Diode Array Detector (LC-DAD)
Limit of Detection 0.067 mg/g
Limit of Quantification 0.2 mg/g

Cannabinoid	mg/g	%	mg/serving
Δ8-THC	ND	ND	ND
Δ8-THCV	0.28	0.028	1.11
Δ9-THC	ND	ND	ND
Δ9-THCA	ND	ND	ND
THCV	0.99	0.099	3.89
THCVA	ND	ND	ND
CBD	ND	ND	ND
CBDA	ND	ND	ND
CBC	1.07	0.107	4.23
CBCA	ND	ND	ND
CBDV	ND	ND	ND
CBDVA	ND	ND	ND
CBG	ND	ND	ND
CBGA	ND	ND	ND
CBN	ND	ND	ND
CBL	ND	ND	ND
CBT	ND	ND	ND
Δ8-THC-O-Acetate*	ND	ND	ND
Δ9-THC-O-Acetate*	ND	ND	ND
9R-Hexahydrocannabinol*	ND	ND	ND
9S-Hexahydrocannabinol*	ND	ND	ND
Total THC	ND	ND	ND
Total CBD	ND	ND	ND
Total Cannabinoids	2.34	0.234	9.23
Sum of Cannabinoids	2.34	0.234	9.23
Serving Weight (g)	3.9436		

Microbiological Screen Tested

07/27/2022

Analyte	Method	Findings	Status
Standard Plate Count	FDA BAM	<10	-
Yeast	AOAC 2014.05	<10	-
Mold	AOAC 2014.05	<10	-

Analyte	Method	Findings	Status
Coliforms	FDA BAM - ECC AGAR	<10	-
Escherichia coli	FDA BAM - ECC AGAR	<10	-
Salmonella	AOAC 2016.01	Negative/1g	Pass
STEC	EC Mug	Negative/1g	Pass

Pesticide Residue Screen ✔ Pass

07/26/2022

Method: MF-CHEM-13

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Abamectin	0.04/0.10	ND	0.3	Pass
Acephate	0.02/0.06	ND	5.0	Pass
Acequinocyl	0.04/0.10	ND	4.0	Pass
Acetamiprid	0.02/0.06	ND	5.0	Pass
Aldicarb	0.02/0.06	ND	0.02	Pass
Azoxystrobin	0.02/0.06	ND	40.0	Pass
Bifenazate	0.02/0.06	ND	5.0	Pass
Bifenthrin	0.04/0.10	ND	0.5	Pass
Boscalid	0.02/0.06	ND	10.0	Pass
Captan	0.2/0.6	ND	5.0	Pass
Carbaryl	0.02/0.06	ND	0.5	Pass
Carbofuran	0.02/0.06	ND	0.02	Pass
Chlorantraniliprole	0.02/0.06	ND	40.0	Pass
Chlordane	0.02/0.06	ND	0.02	Pass
Chlorfenapyr	0.02/0.08	ND	0.02	Pass
Chlorpyrifos	0.02/0.06	ND	0.02	Pass
Clofentezine	0.02/0.06	ND	0.5	Pass
Coumaphos	0.02/0.06	ND	0.02	Pass
Cyfluthrin	0.10/0.30	ND	1.0	Pass
Cypermethrin	0.10/0.30	ND	1.0	Pass
Daminozide	0.02/0.06	ND	0.02	Pass
DDVP (Dichlorvos)	0.02/0.06	ND	0.02	Pass
Diazinon	0.02/0.06	ND	0.2	Pass
Dimethoate	0.02/0.06	ND	0.02	Pass
Dimethomorph	0.02/0.06	ND	20.0	Pass
Ethoprop(hos)	0.02/0.06	ND	0.02	Pass
Etofenprox	0.02/0.06	ND	0.02	Pass
Etoxazole	0.02/0.06	ND	1.5	Pass
Fenhexamid	0.02/0.06	ND	10.0	Pass
Fenoxycarb	0.02/0.06	ND	0.02	Pass
Fenpyroximate	0.02/0.06	ND	2.0	Pass
Fipronil	0.02/0.06	ND	0.02	Pass
Fonicamid	0.02/0.06	ND	2.0	Pass
Fludioxonil	0.02/0.06	ND	30.0	Pass
Hexythiazox	0.02/0.06	ND	2.0	Pass
Imazalil	0.02/0.06	ND	0.02	Pass
Imidacloprid	0.02/0.06	ND	3.0	Pass
Kresoxim Methyl	0.02/0.06	ND	1.0	Pass
Malathion	0.02/0.06	ND	5.0	Pass
Metalaxyl	0.02/0.06	ND	15.0	Pass
Methiocarb	0.02/0.06	ND	0.02	Pass
Methomyl	0.02/0.06	ND	0.1	Pass
Methyl parathion	0.02/0.06	ND	0.02	Pass
Mevinphos	0.02/0.06	ND	0.02	Pass
Myclobutanil	0.02/0.06	ND	9.0	Pass
Naled	0.02/0.06	ND	0.5	Pass
Oxamyl	0.02/0.06	ND	0.2	Pass
Paclobutrazol	0.02/0.06	ND	0.02	Pass
Pentachloronitrobenzene	0.04/0.10	ND	0.2	Pass
Permethrins	0.10/0.30	ND	20.0	Pass
Phosmet	0.02/0.06	ND	0.2	Pass
Piperonyl Butoxide	0.02/0.06	ND	8.0	Pass
Prallethrin	0.04/0.10	ND	0.4	Pass
Propiconazole	0.02/0.06	ND	20.0	Pass
Propoxur	0.02/0.06	ND	0.02	Pass
Pyrethrins	0.10/0.30	ND	1.0	Pass
Pyridaben	0.02/0.06	ND	3.0	Pass
Spinetoram	0.02/0.06	ND	3.0	Pass
Spinosad	0.02/0.06	ND	3.0	Pass

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Spiromesifen	0.04/0.10	ND	12.0	Pass
Spirotetramat	0.02/0.06	ND	13.0	Pass
Spiroxamine	0.02/0.06	ND	0.02	Pass
Tebuconazole	0.02/0.06	ND	2.0	Pass
Thiadoprid	0.02/0.06	ND	0.02	Pass
Thiamethoxam	0.02/0.06	ND	4.5	Pass
Trifloxystrobin	0.02/0.06	ND	30.0	Pass
Acephate	-	-	-	-
Acequinocyl	-	-	-	-
Acetamiprid	-	-	-	-
Aflatoxin B1	-	-	-	-
Aflatoxin B2	-	-	-	-
Aflatoxin G1	-	-	-	-
Aflatoxin G2	-	-	-	-
Total Aflatoxins	-	-	-	-
Aldicarb	-	-	-	-
Allethrin	-	-	-	-
Atrazine	-	-	-	-
Avermectin B1a	-	-	-	-
Azadirachtin	-	-	-	-
Azoxystrobin	-	-	-	-
Benzovindiflupyr	-	-	-	-
Bifenazate	-	-	-	-
Bifenthrin	-	-	-	-
Boscalid	-	-	-	-
Buprofezin	-	-	-	-
Carbaryl	-	-	-	-
Carbofuran	-	-	-	-
Chlorantraniliprole	-	-	-	-
Chlorfenapyr	-	-	-	-
Chlorpyrifos	-	-	-	-
Clofentezine	-	-	-	-
Clothianidin	-	-	-	-
Coumaphos	-	-	-	-
Cyantraniliprole	-	-	-	-
Cyfluthrin	-	-	-	-
Cyhalothrin (Lambda)	-	-	-	-
Cypermethrin	-	-	-	-
Cyprodinil	-	-	-	-
Daminozide	-	-	-	-
Deltamethrin	-	-	-	-
Diazinon	-	-	-	-
Dichlorvos	-	-	-	-
Dimethoate	-	-	-	-
Dimethomorph	-	-	-	-
Dinotefuran	-	-	-	-
Diuron	-	-	-	-
Dodemorph	-	-	-	-
Endosulfan sulfate	-	-	-	-
Endosulfan-alpha (I)	-	-	-	-
Endosulfan-beta (II)	-	-	-	-
Ethoprophos	-	-	-	-
Etofenprox	-	-	-	-
Etoxazole	-	-	-	-
Etridiazole	-	-	-	-
Fenhexamid	-	-	-	-
Fenoxycarb	-	-	-	-
Fenpyroximate	-	-	-	-
Fensulfthion	-	-	-	-
Fenthion	-	-	-	-
Fenvalerate	-	-	-	-
Fipronil	-	-	-	-
Flonicamid	-	-	-	-
Fludioxonil	-	-	-	-
Fluopyram	-	-	-	-
Hexythiazox	-	-	-	-
Imazalil	-	-	-	-
Imidacloprid	-	-	-	-
Iprodione	-	-	-	-
Kinoprene	-	-	-	-

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Kresoxim-methyl	-	-	-	-
Malathion	-	-	-	-
Metalaxyl	-	-	-	-
Methiocarb	-	-	-	-
Methomyl	-	-	-	-
Methoprene	-	-	-	-
Methyl parathion	-	-	-	-
Mevinphos	-	-	-	-
MGK-264	-	-	-	-
Myclobutanil	-	-	-	-
Naled	-	-	-	-
Novaluron	-	-	-	-
Ochratoxin A	-	-	-	-
Oxamyl	-	-	-	-
Paclobutrazol	-	-	-	-
Permethrin	-	-	-	-
Pentachloronitrobenzene	-	-	-	-
Phenothrin	-	-	-	-
Phosmet	-	-	-	-
Piperonyl butoxide	-	-	-	-
Pirimicarb	-	-	-	-
Prallethrin	-	-	-	-
Propiconazole	-	-	-	-
Propoxur	-	-	-	-
Pyraclostrobin	-	-	-	-
Pyrethrins	-	-	-	-
Pyridaben	-	-	-	-
Pyriproxyfen	-	-	-	-
Resmethrin	-	-	-	-
Spinetoram	-	-	-	-
Spinosad	-	-	-	-
Spirodiclofen	-	-	-	-
Spiromesifen	-	-	-	-
Spirotetramat	-	-	-	-
Spiroxamine	-	-	-	-
Tebuconazole	-	-	-	-
Tebufenozide	-	-	-	-
Teflubenzuron	-	-	-	-
Tetrachlorvinphos	-	-	-	-
Tetramethrin	-	-	-	-
Thiabendazole	-	-	-	-
Thiacloprid	-	-	-	-
Thiamethoxam	-	-	-	-
Thiophanate-methyl	-	-	-	-
Trifloxystrobin	-	-	-	-

Residual Solvent Screen ✔ Pass

07/26/2022

Method: USP OVI<467>

Instrument: Gas Chromatography Mass Spectrometry (GC/MS)

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
1,2-Dichloroethane	0.2/0.5	ND	1	Pass
Acetone	67/200	ND	5000	Pass
Acetonitrile	67/200	ND	410	Pass
Benzene	0.2/0.5	ND	1	Pass
n-Butane	67/200	ND	5000	Pass
Chloroform	0.2/0.5	ND	1	Pass
Ethanol	67/200	ND	5000	Pass
Ethyl acetate	67/200	ND	5000	Pass
Ethyl ether	67/200	ND	5000	Pass
Ethylene oxide	0.2/0.5	ND	1	Pass
n-Heptane	67/200	ND	5000	Pass
n-Hexane	67/200	ND	290	Pass
Isopropyl alcohol	67/200	ND	5000	Pass
Methanol	67/200	ND	3000	Pass
Methylene chloride	0.2/0.5	ND	1	Pass
n-Pentane	67/200	ND	5000	Pass
Propane	67/200	ND	5000	Pass
Toluene	67/200	ND	890	Pass

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
Total xylenes (ortho-, meta-, para-)	67/200	ND	2170	Pass
Trichloroethylene	0.2/0.5	ND	1	Pass

Heavy Metal Screen ✔ Pass

07/26/2022

Method: MF-CHEM-16

Instrument: Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Arsenic	0.02/0.05	ND	1.5	Pass
Cadmium	0.02/0.05	ND	0.5	Pass
Mercury	0.02/0.05	ND	3	Pass
Lead	0.02/0.05	BLOQ	0.5	Pass

Mycotoxin Screen ✔ Pass

07/26/2022

Method: MF-CHEM-13

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Analyte	LOD/LOQ (µg/kg)	Findings (µg/kg)	Limit (µg/kg)	Status
Aflatoxin B1	2/5	ND	-	-
Aflatoxin B2	2/5	ND	-	-
Aflatoxin G1	2/5	ND	-	-
Aflatoxin G2	2/5	ND	-	-
Total Aflatoxins	8/20	ND	20	Pass
Ochratoxin A	6/20	ND	20	Pass

Total THC = Δ9-THC + (0.877 * Δ9-THCA)

(-) = Not Tested, ND = None Detected, <LOQ = Below Limit of Quantitation, LOD = Limit of Detection

Total CBD = CBD + (0.877 * CBDA)

Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 * Σ (acidic cannabinoids)]

Reported by



Vu Lam
Lab Co Director



Scan to verify