

November 05, 2019

GARDEN OF LIFE

4200 Northcorp Parkway
Palm Beach Gardens, FL 33410

Order No. 509497
Sample No. 1037380

SAMPLE INFORMATION

Description 6913 Dr. Formulated CBD + Sleep 15 mg
Lot Number W2909932 19302
Category (Type) Concentrate
Received October 31, 2019

ANALYTICAL RESULTS


Analysis Cannabinoid Profile ✔ Pass
Instrument Liquid Chromatography Diode Array Detector (LC-DAD)
Method MF12D012
Analysis Date October 31, 2019 to November 05, 2019

Analyte	mg/g	%	mg/ml	mg/serving	mg/package	Status
Total THC	ND	ND	ND	ND	ND	Pass
Total CBD	16.646	1.6646	15.7138	15.7138	471.41	-

Label Claims n/p
Measured Serving Weight (g) 0.94400
Servings / Unit 30
g/ml Conversion Factor 0.94400

Reported by
Anresco, Inc.

Limit of Quantitation: 1.0 mg/g
Limit of Detection: 0.4 mg/g
ND = None Detected
<LOQ = Below Limit of Quantitation
<LOD = Below Limit of Detection



Mark Rosasco
Analyst

November 05, 2019

ANALYZED BY:

 Anresco Laboratories
 1375 Van Dyke Avenue,
 San Francisco, CA 94124
 C8-0000052-LIC

MANUFACTURER:

 Garden of Life
 4200 Northcorp Parkway
 Palm Beach Gardens, FL 33410

SAMPLE INFORMATION

Sample No.: 1034374
Product Name: NDT Whole Plant Hemp Oil Extract
Matrix: Concentrate
Batch #: PX-19211-NDT

Date Received: 09/20/2019
Date Reported: 10/02/2019

TEST SUMMARY

Cannabinoid Profile:
Microbiological Screen:
Pesticide Residue Screen: ✔ Pass
Mycotoxin Screen: ✔ Pass

Terpenoid Profile:
Residual Solvent Screen: ✔ Pass
Heavy Metal Screen: ✔ Pass
Other Analyses:
Overall: ✔ Pass

CANNABINOID PROFILE

09/25/2019

Method: MF12D012
Instrument: Liquid Chromatography Diode Array Detector (LC-DAD)
Limit of Quantitation: 1.0 mg/g
Limit of Detection: 0.4 mg/g

Analyte	mg/g	mg/g (dry)	% (dry)	Status
88 THC	ND	ND	ND	-
89 THC	ND	ND	ND	-
THCV	ND	ND	ND	-
THCVA	ND	ND	ND	-
89 THCA	ND	ND	ND	-
CBD	863.5	871.61	87.161	-
CBDA	ND	ND	ND	-
CBC	3.5	3.53	0.353	-
CBCA	ND	ND	ND	-
CBDV	6.3	6.36	0.636	-
CBG	ND	ND	ND	-
CBGA	ND	ND	ND	-
CBN	ND	ND	ND	-
Total THC	ND	ND	ND	-
Total CBD	863.5	871.61	87.161	-
Total Cannabinoids	873.3	881.5	88.15	-
Total Active Cannabinoids	873.3	881.5	88.15	-

Label Claims n/p

Measured Serving Weight (g)

TERPENOID PROFILE

09/24/2019

Method: American Herbal Pharmacopoeia
Instrument: Gas Chromatography Mass Spectrometry (GC/MS)

Terpene	mg/g	%	Status
α-Pinene	0.125	0.0125	-
Isopulegol	ND	ND	-
Camphene	ND	<LOQ	-
Menthol	ND	ND	-
β-Myrcene	0.22	0.022	-
(-)-Borneol	0.0947	0.00947	-
β-Pinene	0.016	0.0016	-
Terpineol	0.31	0.03100	-
δ-3-Carene	ND	ND	-
Citronellol	ND	ND	-
Limonene	0.244	0.0244	-
Geraniol	ND	ND	-
α-Terpinene	0.019	0.0019	-
β-Caryophyllene	1.62	0.162	-
trans-beta-Ocimene	ND	<LOQ	-
α-Humulene	0.83	0.083	-
cis-beta-Ocimene	ND	ND	-
cis-Nerolidol	ND	ND	-

Terpene	mg/g	%	Status
p-Cymene	ND	ND	-
trans-Nerolidol	0.656	0.0656	-
Eucalyptol	0.0613	0.00613	-
Guaiol	2.21	0.221	-
γ-Terpinene	0.017	0.0017	-
Caryophyllene Oxide	0.68	0.068	-
Terpinolene	0.016	0.0016	-
α-Bisabolol	7.68	0.768	-
Linalool	0.55	0.055	-
Eudesmol	2.43	0.243	-
Total Terpenes	17.779	1.7779	-

MICROBIOLOGICAL SCREEN

09/25/2019

Analysis	Method	Finding	Limit
Salmonella	AOAC 2016.01	Negative/1g	ND in 1g
SPC	FDA BAM	<10	NA
Yeast	FDA BAM	<10	NA
Mold	FDA BAM	<10	NA
Coliforms	FDA BAM - ECC Agar	<10	NA
E. coli	FDA BAM - ECC Agar	<10	NA
Staph	AOAC 2003.07	<10	ND in 1g

PESTICIDE RESIDUE SCREEN ✔ Pass

09/24/2019

Method: MF 21P030

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

Analyte	LOD / LOQ (µg/g)	Finding (µg/g)	Limit (µg/g)	Status
Abamectin	0.04/0.10	ND	0.1	Pass
Azoxystrobin	0.04/0.10	ND	0.1	Pass
Bifenazate	0.04/0.10	ND	0.1	Pass
Bifenthrin	0.20/0.50	ND	3.0	Pass
Cyfluthrin	0.70/2.00	ND	2.0	Pass
Daminozide	0.04/0.10	ND	0.04	Pass
Etozazole	0.04/0.10	ND	0.1	Pass
Fenoxycarb	0.04/0.10	ND	0.04	Pass
Imazalil	0.04/0.10	ND	0.04	Pass
Imidacloprid	0.04/0.10	ND	5.0	Pass
Myclobutanil	0.04/0.10	ND	0.1	Pass
Pacllobutrazol	0.04/0.10	ND	0.04	Pass
Piperonyl Butoxide	0.04/0.10	ND	3.0	Pass
Pyrethrins	0.20/0.50	ND	0.5	Pass
Spinosad	0.04/0.10	ND	0.1	Pass
Spiromesifen	0.04/0.10	ND	0.1	Pass
Spirotetramat	0.04/0.10	ND	0.1	Pass
Trifloxystrobin	0.04/0.10	ND	0.1	Pass

RESIDUAL SOLVENT SCREEN ✔ Pass

09/24/2019

Method: USP OVI<467>

Instrument: Gas Chromatography Mass Spectrometry (GC/MS)

Analyte	LOD / LOQ (µg/g)	Finding (µg/g)	Limit (µg/g)	Status
1,2-Dichloroethane	0.40/1.00	ND	1.0	Pass
Acetone	17/75	ND	5000	Pass
Acetonitrile	1/6	ND	410	Pass
Benzene	0.40/1.00	ND	1.0	Pass
n-Butane	200/600	ND	5000	Pass
Chloroform	0.40/1.00	ND	1.0	Pass
Ethanol	22/100	<LOQ	5000	Pass
Ethyl Acetate	9/40	ND	5000	Pass
Ethyl Ether	11/50	ND	5000	Pass
Ethylene Oxide	0.40/1.00	ND	1.0	Pass
n-Heptane	11/50	ND	5000	Pass
n-Hexane	1/5	ND	290	Pass
Isopropyl Alcohol	11/50	ND	5000	Pass
Methanol	6/25	ND	3000	Pass
Methylene Chloride	0.40/1.00	ND	1.0	Pass
n-Pentane	17/75	ND	5000	Pass
Propane	125/250	ND	5000	Pass
Toluene	3/15	ND	890	Pass
Total Xylenes	1/3	ND	2170	Pass
Trichloroethylene	0.40/1.00	ND	1.0	Pass

HEAVY METAL SCREEN ✔ Pass

09/25/2019

Method: MF 24E020

Instrument: ICP-MS

Analyte	LOD / LOQ (µg/g)	Finding (µg/g)	Limit (µg/g)	Status
Arsenic	0.02/0.05	ND	0.2	Pass
Cadmium	0.02/0.05	ND	0.2	Pass
Mercury	0.02/0.05	ND	0.1	Pass
Lead	0.02/0.05	<LOQ	0.5	Pass

MYCOTOXIN SCREEN ✔ Pass

09/24/2019

Method: MF 21P030

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

Analyte	LOD / LOQ (µg/kg)	Finding (µg/kg)	Limit (µg/kg)	Status
Aflatoxin B1	10/20	ND	-	-
Aflatoxin B2	10/20	ND	-	-
Aflatoxin G1	10/20	ND	-	-
Aflatoxin G2	10/20	ND	-	-
Total Aflatoxins	10/20	ND	20	Pass
Ochratoxin A	10/20	ND	20	Pass

OTHER ANALYSES

Analyte	Method	Instrument	Finding	LOD	LOQ	Units	Date Completed	Limit	Status
Moisture	'AOAC 930.04'	Vacuum or Forced Air Oven	0.93	-	-	-	09/23/2019	-	-
Water Activity	MF 14G051	Decagon	0.571	-	-	-	09/23/2019	0.65	Pass
Gluten	-	-	ND	-	-	-	09/24/2019	-	-
Color	-	-	Amber	-	-	-	09/24/2019	-	-
Flavor	-	-	Grassy	-	-	-	09/24/2019	-	-
Odor	-	-	Piney	-	-	-	09/24/2019	-	-
Glyphosate	Anresco MF 2P030	LC-MS/MS	ND	2	5	ppb	10/02/2019	-	-
AMPA	Anresco MF 2P030	LC-MS/MS	ND	2	5	ppb	10/02/2019	-	-

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

Reported by


 Vu Lam
 Lab Co Director


Scan to verify