



Roots Apothecary
2300 highland
village road #9
highland village,
texas, 75077
7193731889
Order #: 84777
Retail Batch #:
091924

CERTIFICATE OF ANALYSIS
ISO/IEC: 17025:2017 Accreditation #:
103104
License #: CMTL-0004

Order Information

Order #: 84777
Order Name: 1260mg CBD Sublingual
Retail Batch #: 091924
Received: 12/28/2023 12:22:19
Complete: 01/02/2024 14:47:45

Batch Information

Create Date: 09/19/2023
Exp. Date: 09/19/2024
Size: 62

Total Qty.: 150
Matrix: Tincture
Pickup Weight: N/A

CANNABINOID PROFILE
TESTED

LABEL CLAIM
NOT APPLICABLE

MICROBIALS
NOT TESTED

RESIDUAL SOLVENTS
NOT TESTED

AGRICULTURAL AGENTS
PASS

HEAVY METAL ANALYSIS
PASS

TERPENES
NOT TESTED

MOISTURE ANALYSIS
NOT TESTED

WATER ACTIVITY
NOT TESTED

FILTH & FOREIGN
NOT TESTED

HOMOGENEITY
NOT TESTED

MYCOTOXINS
NOT TESTED



0.0999 %
Total THC

2.3684 %
Total CBD

2.6021 %
Total Cannabinoids

Diana Asensio, M.S.

Lab Director



ACT Laboratories Florida
4001 SW 47th Avenue, Suite 208
Davie, FL 33314
(954) 514-9343





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Sample Prep

Tech: 3393
 SOP: 418
 Batch Number: 62053
 Batch Date: 12/28/2023 12:42:00

Sample Analysis

Date/Time: 12/29/2023 10:34:06
 Tech: 3396
 SOP: 417
 Final Weight: 0.2059 g
 Volume: 40 ml

CANNABINOID PROFILE

HPLC-DAD

0.0999 % Total THC	0.944 mg THC Per Unit	56.643 mg THC Per Pkg
2.3684 % Total CBD	22.381 mg CBD Per Unit	1342.883 mg CBD Per Pkg
2.6021 % Total Cannabinoids	24.590 mg Cannabinoids Per Unit	1475.390 mg Cannabinoids Per Pkg

Cannabinoid Potency

ANALYTE	LOD/LOQ (mg/g)	DIL.	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE	LABEL CLAIM (mg)	% LABEL VAR.
CBC	0.064/0.1954	1	0.0696	0.696	0.658	39.463	--	--
CBD	0.064/0.1954	1	2.3684	23.684	22.381	1342.883	--	--
CBDA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBDV	0.064/0.1954	1	<LOQ	<LOQ	<LOQ	<LOQ	--	--
CBG	0.064/0.1954	1	0.0642	0.642	0.607	36.401	--	--
CBGA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBN	0.064/0.1954	1	<LOQ	<LOQ	<LOQ	<LOQ	--	--
d8-THC	0.064/0.1954	1	ND	ND	ND	ND	--	--
d9-THC	0.064/0.1954	1	0.0999	0.999	0.944	56.643	--	--
THCA	0.064/0.1954	1	ND	ND	ND	ND	--	--
THCV	0.064/0.1954	1	ND	ND	ND	ND	--	--

mg/unit = 1 (g) per unit x 0.945 (g/ml) x cannabinoid concentration (mg/g)
 Total THC = THC + (0.877 x THCA) and Total CBD = CBD + (0.877 x CBDA)
 ND = Not Detected, NT = Not Tested, <LOQ = Below Limit of Quantitation

CANNABINOID TOTALS	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE
Total THC	0.0999	0.999	0.944	56.643
Total CBD	2.3684	23.684	22.381	1342.883
Total Cannabinoids	2.6021	26.021	24.590	1475.390

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Agricultural Agents

LC-MS/MS

PASS

Sample Prep

Tech: 3393
 SOP: 432
 Batch Number: 62047
 Batch Date: 12/27/2023 16:05:47

Sample Analysis

Date/Time: 12/29/2023 14:13:09
 Tech: 3445
 SOP: 424
 Final Weight: 0.1022 g
 Volume: 2.5 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LEVEL(ppm)	RESULTS (ppm)	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT(ppm)	RESULTS (ppm)
Abamectin B1a	0.002/0.035	1	0.3	ND	Hexythiazox	0.002/0.004	1	2	ND
Acephate	0.002/0.04	1	3	ND	Imazalil	0.002/0.01	1	0.1	ND
Acequinocyl	0.002/0.002	1	2	ND	Imidacloprid	0.002/0.002	1	3	ND
Acetamiprid	0.002/0.002	1	3	ND	Kresoxim-methyl	0.002/0.002	1	1	ND
Aldicarb	0.002/0.01	1	0.1	ND	Malathion	0.01/0.04	1	2	ND
Azoxystrobin	0.002/0.04	1	3	ND	Metalaxyl	0.002/0.004	1	3	ND
Bifenazate	0.002/0.002	1	3	ND	Methiocarb	0.002/0.01	1	0.1	ND
Bifenthrin	0.002/0.002	1	0.5	ND	Methomyl	0.002/0.002	1	0.1	ND
Boscalid	0.01/0.05	1	3	ND	Mevinphos	0.009/0.036	1	0.1	ND
Carbaryl	0.002/0.004	1	0.5	ND	Myclobutanil	0.002/0.04	1	3	ND
Carbofuran	0.002/0.01	1	0.1	ND	Naled	0.002/0.01	1	0.5	ND
Chlorantraniliprole	0.002/0.01	1	3	ND	Oxamyl	0.002/0.002	1	0.5	ND
Chlormequat chloride	0.002/0.004	1	3	ND	Pactobutrazol	0.002/0.004	1	0.1	ND
Chlorpyrifos	0.002/0.01	1	0.1	ND	Permethrins	0.002/0.01	1	1	ND
Clofentezine	0.002/0.002	1	0.5	ND	Phosmet	0.002/0.002	1	0.2	ND
Daminozide	0.01/0.04	1	0.1	ND	Piperonyl Butoxide	0.002/0.002	1	3	ND
Diazinon	0.002/0.01	1	0.2	ND	Prallethrin	0.002/0.01	1	0.4	ND
Dichlorvos	0.002/0.04	1	0.1	ND	Propiconazole	0.002/0.04	1	1	ND
Dimethoate	0.002/0.002	1	0.1	ND	Propoxur	0.002/0.01	1	0.1	ND
Dimethomorph	0.001/0.002	1	3	ND	Pyrethrins	0.001/0.013	1	1	ND
Ethoprophos	0.002/0.01	1	0.1	ND	Spinetoram	0.001/0.003	1	3	ND
Etofenprox	0.002/0.002	1	0.1	ND	Spinosad	0.001/0.001	1	3	ND
Etoxazole	0.002/0.002	1	1.5	ND	Spiromesifen	0.002/0.002	1	3	ND
Fenhexamid	0.01/0.04	1	3	ND	Spirotetramat	0.002/0.01	1	3	ND
Fenoxycarb	0.002/0.004	1	0.1	ND	Spiroxamine	0.002/0.04	1	0.1	ND
Fenpyroximate	0.002/0.002	1	2	ND	Tebuconazole	0.01/0.04	1	1	ND
Fipronil	0.002/0.004	1	0.1	ND	Thiacloprid	0.002/0.002	1	0.1	ND
Fonicamid	0.002/0.01	1	2	ND	Thiamethoxam	0.002/0.01	1	1	ND
Fludioxonil	0.002/0.004	1	3	ND	Trifloxystrobin	0.002/0.002	1	3	ND

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HEAVY METAL ANALYSIS

ICP-MS

PASS

Sample Prep

Tech: 3396
 SOP: 428
 Batch Number: 62061
 Batch Date: 01/02/2024 09:49:13

Sample Analysis

Date/Time: 01/02/2024 14:27:31
 Tech: 3396
 SOP: 428
 Final Weight: 0.2752 g
 Volume: 60 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LIMIT (ppb)	RESULTS (ppb)
Arsenic	20/75	1	1500	ND
Cadmium	20/75	1	500	ND
Lead	20/75	1	500	ND
Mercury	20/75	1	3000	ND

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